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(54) Title: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS FOR THEIR USE

#### (57) Abstract

Compounds and methods for diagnosing prostate cancer are provided. The inventive compounds include polypeptides containing at least a portion of a prostate tumor protein. The inventive polypeptides may be used to generate antibodies useful for the diagnosis and monitoring of prostate cancer. Nucleic acid sequences for preparing probes, primers, and polypeptides are also provided.

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## COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS FOR THEIR USE

#### **TECHNICAL FIELD**

The present invention relates generally to the treatment and monitoring of prostate cancer. The invention is more particularly related to polypeptides comprising at least a portion of a prostate protein. Such polypeptides may be used for the production of compounds, such as antibodies, useful for diagnosing and monitoring the progression of prostate cancer, and possibly other tumor types, in a patient.

#### BACKGROUND OF THE INVENTION

Prostate cancer is the most common form of cancer among males, with an estimated incidence of 30% in men over the age of 50. Overwhelming clinical evidence shows that human prostate cancer has the propensity to metastasize to bone, and the disease appears to progress inevitably from androgen dependent to androgen refractory status, leading to increased patient mortality. This prevalent disease is currently the second leading cause of cancer death among men in the U.S.

In spite of considerable research into diagnosis and therapy of the disease, prostate cancer remains difficult to detect and to treat. Commonly, treatment is based on surgery and/or radiation therapy, but these methods are ineffective in a significant percentage of cases. Two previously identified prostate specific proteins - prostate specific antigen (PSA) and prostatic acid phosphatase (PAP) - have limited diagnostic and therapeutic potential. For example, PSA levels do not always correlate well with the presence of prostate cancer, being positive in a percentage of non-prostate cancer cases, including benign prostatic hyperplasia (BPH). Furthermore, PSA measurements correlate with prostate volume, and do not indicate the level of metastasis.

Accordingly, there remains a need in the art for improved and diagnostic methods for prostate cancer.

#### SUMMARY OF THE INVENTION

The present invention provides methods for immunodiagnosis of prostate cancer, together with kits for use in such methods. Polypeptides are disclosed which comprise at least an immunogenic portion of a prostate tumor protein or a variant of said protein that differs only in conservative substitutions and/or modifications, wherein the prostate tumor protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177, 179-224 and variants thereof. Such polypeptides may be usefully employed in the diagnosis and monitoring of prostate cancer.

In one specific aspect of the present invention methods are provided for detecting prostate cancer in a patient, comprising: (a) contacting a biological sample obtained from a patient with a binding agent that is capable of binding to one of the above polypeptides; and (b) detecting in the sample a protein or polypeptide that binds to the binding agent. In preferred embodiments, the binding agent is an antibody, most preferably a monoclonal antibody.

In related aspects, methods are provided for monitoring the progression of prostate cancer in a patient, comprising: (a) contacting a biological sample obtained from a patient with a binding agent that is capable of binding to one of the above polypeptides; (b) determining in the sample an amount of a protein or polypeptide that binds to the binding agent; (c) repeating steps (a) and (b); and comparing the amounts of polypeptide detected in steps (b) and (c).

Within related aspects, the present invention provides antibodies, preferably monoclonal antibodies, that bind to the inventive polypeptides, as well as diagnostic kits comprising such antibodies, and methods of using such antibodies to inhibit the development of prostate cancer.

The present invention further provides methods for detecting prostate cancer comprising: (a) obtaining a biological sample from a patient; (b) contacting the sample with a first and a second oligonucleotide primer in a polymerase chain reaction, at least one of the oligonucleotide primers being specific for a DNA molecule that encodes one of the above polypeptides; and (c) detecting in the sample a DNA sequence that amplifies in the presence of the first and second oligonucleotide primers. In a preferred embodiment, at least one of the

oligonucleotide primers comprises at least about 10 contiguous nucleotides of a DNA molecule having a partial sequence selected from the group consisting of SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177 and 179-224.

In a further aspect, the present invention provides a method for detecting prostate cancer in a patient comprising: (a) obtaining a biological sample from the patient; (b) contacting the sample with an oligonucleotide probe specific for a DNA molecule that encodes one of the above polypeptides; and (c) detecting in the sample a DNA sequence that hybridizes to the oligonucleotide probe. Preferably, the oligonucleotide probe comprises at least about 15 contiguous nucleotides of a DNA molecule having a partial sequence selected from the group consisting of SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177 and 179-224.

In related aspects, diagnostic kits comprising the above oligonucleotide probes or primers are provided.

These and other aspects of the present invention will become apparent upon reference to the following detailed description and attached drawings. All references disclosed herein are hereby incorporated by reference in their entirety as if each was incorporated individually.

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#### DETAILED DESCRIPTION OF THE INVENTION

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As noted above, the present invention is generally directed to compositions and methods for the immunodiagnosis and monitoring of prostate cancer. The inventive compositions are generally polypeptides that comprise at least a portion of a prostate tumor protein. Also included within the present invention are molecules (such as an antibody or fragment thereof) that bind to the inventive polypeptides. Such molecules are referred to herein as "binding agents."

In particular, the subject invention discloses polypeptides comprising at least a portion of a human prostate tumor protein, or a variant thereof such a protein, wherein the prostate tumor protein includes an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-11, 115-171, 173-175, 177, 179-224, the complements of said nucleotide sequences and variants thereof. As used herein, the term "polypeptide"

encompasses amino acid chains of any length, including full length proteins, wherein the amino acid residues are linked by covalent peptide bonds. Thus, a polypeptide comprising a portion of one of the above prostate proteins may consist entirely of the portion, or the portion may be present within a larger polypeptide that contains additional sequences. The additional sequences may be derived from the native protein or may be heterologous, and such sequences may be immunoreactive and/or antigenic.

As used herein, an "immunogenic portion" of a human prostate tumor protein is a portion that is capable of eliciting an immune response in a patient inflicted with prostate cancer and as such binds to antibodies present within sera from a prostate cancer patient. Immunogenic portions of the proteins described herein may thus be identified in antibody binding assays. Such assays may generally be performed using any of a variety of means known to those of ordinary skill in the art, as described, for example, in Harlow and Lane, Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1988. For example, a polypeptide may be immobilized on a solid support (as described below) and contacted with patient sera to allow binding of antibodies within the sera to the immobilized polypeptide. Unbound sera may then be removed and bound antibodies detected using, for example, 125I-labeled Protein A. Alternatively, a polypeptide may be used to generate monoclonal and polyclonal antibodies for use in detection of the polypeptide in blood or other fluids of prostate cancer patients.

The compositions and methods of the present invention also encompass variants of the above polypeptides and DNA molecules. A polypeptide "variant," as used herein, is a polypeptide that differs from the recited polypeptide only in conservative substitutions and/or modifications, such that the therapeutic, antigenic and/or immunogenic properties of the polypeptide are retained. Polypeptide variants preferably exhibit at least about 70%, more preferably at least about 90% and most preferably at least about 95% identity to the identified polypeptides. For prostate tumor polypeptides with immunoreactive properties, variants may, alternatively, be identified by modifying the amino acid sequence of one of the above polypeptides, and evaluating the immunoreactivity of the modified polypeptide. For prostate tumor polypeptides useful for the generation of diagnostic binding agents, a variant may be identified by evaluating a modified polypeptide for the ability to

generate antibodies that detect the presence or absence of prostate cancer. Such modified sequences may be prepared and tested using, for example, the representative procedures described herein.

As used herein, a "conservative substitution" is one in which an amino acid is substituted for another amino acid that has similar properties, such that one skilled in the art of peptide chemistry would expect the secondary structure and hydropathic nature of the polypeptide to be substantially unchanged. In general, the following groups of amino acids represent conservative changes: (1) ala, pro, gly, glu, asp, gln, asn, ser, thr. (2) cys, ser, tyr, thr. (3) val, ile, leu, met, ala, phe; (4) lys, arg, his; and (5) phe, tyr, trp, his.

Variants may also, or alternatively, contain other modifications, including the deletion or addition of amino acids that have minimal influence on the antigenic properties, secondary structure and hydropathic nature of the polypeptide. For example, a polypeptide may be conjugated to a signal (or leader) sequence at the N-terminal end of the protein which co-translationally or post-translationally directs transfer of the protein. The polypeptide may also be conjugated to a linker or other sequence for ease of synthesis, purification or identification of the polypeptide (e.g., poly-His), or to enhance binding of the polypeptide to a solid support. For example, a polypeptide may be conjugated to an immunoglobulin Fc region.

A nucleotide "variant" is a sequence that differs from the recited nucleotide sequence in having one or more nucleotide deletions, substitutions or additions. Such modifications may be readily introduced using standard mutagenesis techniques, such as oligonucleotide-directed site-specific mutagenesis as taught, for example, by Adelman et al. (DNA, 2:183, 1983). Nucleotide variants may be naturally occurring allelic variants, or non-naturally occurring variants. Variant nucleotide sequences preferably exhibit at least about 70%, more preferably at least about 80% and most preferably at least about 90% identity to the recited sequence. Such variant nucleotide sequences will generally hybridize to the recite nucleotide sequence under stringent conditions. As used herein, "stringent conditions" refers to prewashing in a solution of 6X SSC, 0.2% SDS; hybridizing at 65 °C, 6X SSC, 0.2% SDS overnight; followed by two washes of 30 minutes each in 1X SSC, 0.1% SDS at 65 °C and two washes of 30 minutes each in 0.2X SSC, 0.1% SDS at 65 °C.

"Polypeptides" as used herein also include combination, or fusion, polypeptides. A "combination polypeptide" is a polypeptide comprising at least one of the above immunogenic portions and one or more additional immunogenic prostate tumor-specific sequences, which are joined via a peptide linkage into a single amino acid chain. The sequences may be joined directly (i.e., with no intervening amino acids) or may be joined by way of a linked sequence (e.g., Gly-Cys-Gly) that does not significantly diminish the immunogenic properties of the component polypeptides.

The prostate tumor proteins of the present invention, and DNA molecules encoding such proteins, may be isolated from prostate tumor tissue using any of a variety of methods well known in the art. DNA sequences corresponding to a gene (of a portion thereof) encoding one of the inventive prostate tumor proteins may be isolated from a prostate tumor cDNA library using a subtraction technique as described in detail below. Examples of such DNA sequences are provided in SEQ ID Nos: 1-107, 109-111, 115-171, 173-175, 177 and 179-224. Partial DNA sequences thus obtained may be used to design oligonucleotide primers for the amplification of full-length DNA sequences in a polymerase chain reaction (PCR), using techniques well known in the art (see, for example, Mullis et al., Cold Spring Harbor Symp. Quant. Biol., 51:263, 1987; Erlich ed., PCR Technology, Stockton Press, NY, 1989). Once a DNA sequence encoding a polypeptide is obtained, any of the above modifications may be readily introduced using standard mutagenesis techniques, such as oligonucleotide-directed site-specific mutagenesis as taught, for example, by Adelman et al. (DNA, 2:183, 1983).

The prostate tumor polypeptides disclosed herein may also be generated by synthetic or recombinant means. Synthetic polypeptides having fewer than about 100 amino acids, and generally fewer than about 50 amino acids, may be generated using techniques well known to those of ordinary skill in the art. For example, such polypeptides may be synthesized using any of the commercially available solid-phase techniques, such as the Merrifield solid-phase synthesis method, where amino acids are sequentially added to a growing amino acid chain (see, for example, Merrifield, J. Am. Chem. Soc. 85:2149-2146, 1963). Equipment for automated synthesis of polypeptides is commercially available from

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suppliers such as Perkin Elmer/Applied BioSystems Division (Foster City, CA), and may be operated according to the manufacturer's instructions.

Alternatively, any of the above polypeptides may be produced recombinantly by inserting a DNA sequence that encodes the polypeptide into an expression vector and expressing the protein in an appropriate host. Any of a variety of expression vectors known to those of ordinary skill in the art may be employed to express recombinant polypeptides of this invention. Expression may be achieved in any appropriate host cell that has been transformed or transfected with an expression vector containing a DNA molecule that encodes a recombinant polypeptide. Suitable host cells include prokarvotes, yeast and higher eukaryotic cells. Preferably, the host cells employed are *E. coli*, yeast or a mammalian cell line, such as CHO cells. The DNA sequences expressed in this manner may encode naturally occurring polypeptides, portions of naturally occurring polypeptides, or other variants thereof.

In general, regardless of the method of preparation, the polypeptides disclosed herein are prepared in substantially pure form (i.e., the polypeptides are homogenous as determined by amino acid composition and primary sequence analysis). Preferably, the polypeptides are at least about 90% pure, more preferably at least about 95% pure and most preferably at least about 99% pure. In certain embodiments, described in more detail below, the substantially pure polypeptides are incorporated into pharmaceutical compositions or vaccines for use in one or more of the methods disclosed herein.

In a related aspect, the present invention provides fusion proteins comprising a first and a second inventive polypeptide or, alternatively, a polypeptide of the present invention and a known prostate antigen, together with variants of such fusion proteins. The fusion proteins of the present invention may also include a linker peptide between the first and second polypeptides.

A DNA sequence encoding a fusion protein of the present invention is constructed using known recombinant DNA techniques to assemble separate DNA sequences encoding the first and second polypeptides into an appropriate expression vector. The 3' end of a DNA sequence encoding the first polypeptide is ligated, with or without a peptide linker, to the 5' end of a DNA sequence encoding the second polypeptide so that the reading frames

of the sequences are in phase to permit mRNA translation of the two DNA sequences into a single fusion protein that retains the biological activity of both the first and the second polypeptides.

A peptide linker sequence may be employed to separate the first and the second polypeptides by a distance sufficient to ensure that each polypeptide folds into its secondary and tertiary structures. Such a peptide linker sequence is incorporated into the fusion protein using standard techniques well known in the art. Suitable peptide linker sequences may be chosen based on the following factors: (1) their ability to adopt a flexible extended conformation; (2) their inability to adopt a secondary structure that could interact with functional epitopes on the first and second polypeptides; and (3) the lack of hydrophobic or charged residues that might react with the polypeptide functional epitopes. Preferred peptide linker sequences contain Gly, Asn and Ser residues. Other near neutral amino acids, such as Thr and Ala may also be used in the linker sequence. Amino acid sequences which may be usefully employed as linkers include those disclosed in Maratea et al., Gene 40:39-46, 1985; Murphy et al., Proc. Natl. Acad Sci. USA 83:8258-8262, 1986; U.S. Patent No. 4,935,233 and U.S. Patent No. 4,751,180. The linker sequence may be from 1 to about 50 amino acids in length. Peptide sequences are not required when the first and second polypeptides have non-essential N-terminal amino acid regions that can be used to separate the functional domains and prevent steric interference:

The ligated DNA sequences are operably linked to suitable transcriptional or translational regulatory elements. The regulatory elements responsible for expression of DNA are located only 5' to the DNA sequence encoding the first polypeptides. Similarly, stop codons require to end translation and transcription termination signals are only present 3' to the DNA sequence encoding the second polypeptide.

Polypeptides and/or fusion proteins of the present invention may be used to generate binding agents, such as antibodies or fragments thereof, that are capable of detecting metastatic human prostate tumors. Binding agents of the present invention may generally be prepared using methods known to those of ordinary skill in the art, including the representative procedures described herein. Binding agents are capable of differentiating between patients with and without prostate cancer, using the representative assays described

herein. In other words, antibodies or other binding agents raised against a prostate tumor protein, or a suitable portion thereof, will generate a signal indicating the presence of primary or metastatic prostate cancer in at least about 20% of patients afflicted with the disease, and will generate a negative signal indicating the absence of the disease in at least about 90% of individuals without primary or metastatic prostate cancer. Suitable portions of such prostate tumor proteins are portions that are able to generate a binding agent that indicates the presence of primary or metastatic prostate cancer in substantially all (i.e., at least about 80%, and preferably at least about 90%) of the patients for which prostate cancer would be indicated using the full length protein, and that indicate the absence of prostate cancer in substantially all of those samples that would be negative when tested with full length protein. The representative assays described below, such as the two-antibody sandwich assay, may generally be employed for evaluating the ability of a binding agent to detect metastatic human prostate tumors.

The ability of a polypeptide and/or fusion protein prepared as described herein to generate antibodies capable of detecting primary or metastatic human prostate tumors may generally be evaluated by raising one or more antibodies against the polypeptide (using, for example, a representative method described herein) and determining the ability of such antibodies to detect such tumors in patients. This determination may be made by assaying biological samples from patients with and without primary or metastatic prostate cancer for the presence of a polypeptide that binds to the generated antibodies. Such test assays may be performed, for example, using a representative procedure described below. Polypeptides that generate antibodies capable of detecting at least 20% of primary or metastatic prostate tumors by such procedures are considered to be useful in assays for detecting primary or metastatic human prostate tumors. Polypeptide specific antibodies may be used alone or in combination to improve sensitivity.

Polypeptides and/or fusion proteins capable of detecting primary or metastatic human prostate tumors may be used as markers for diagnosing prostate cancer or for monitoring disease progression in patients. In one embodiment, prostate cancer in a patient may be diagnosed by evaluating a biological sample obtained from the patient for the level of

one or more of the above polypeptides, relative to a predetermined cut-off value. As used the herein, suitable "biological samples" include blood, sera, urine and/or prostate secretions.

The level of one or more of the above polypeptides may be evaluated using any binding agent specific for the polypeptide(s). A "binding agent," in the context of this invention, is any agent (such as a compound or a cell) that binds to a polypeptide as described above. As used herein, "binding" refers to a noncovalent association between two separate molecules (each of which may be free (i.e., in solution) or present on the surface of a cell or a solid support), such that a "complex" is formed. Such a complex may be free or immobilized (either covalently or noncovalently) on a support material. The ability to bind may generally be evaluated by determining a binding constant for the formation of the complex. The binding constant is the value obtained when the concentration of the complex is divided by the product of the component concentrations. In general, two compounds are said to "bind" in the context of the present invention when the binding constant for complex formation exceeds about 10<sup>3</sup> L/mol. The binding constant may be determined using methods well known to those of ordinary skill in the art.

Any agent that satisfies the above requirements may be a binding agent. For example, a binding agent may be a ribosome with or without a peptide component, an RNA molecule or a peptide. In a preferred embodiment, the binding partner is an antibody, or a fragment thereof. Such antibodies may be polyclonal, or monoclonal. In addition, the antibodies may be single chain, chimeric, CDR-grafted or humanized. Antibodies may be prepared by the methods described herein and by other methods well known to those of skill in the art.

There are a variety of assay formats known to those of ordinary skill in the art for using a binding partner to detect polypeptide markers in a sample. See, e.g., Harlow and Lane, Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory, 1988. In a preferred embodiment, the assay involves the use of binding partner immobilized on a solid support to bind to and remove the polypeptide from the remainder of the sample. The bound polypeptide may then be detected using a second binding partner that contains a reporter group. Suitable second binding partners include antibodies that bind to the binding partner/polypeptide complex. Alternatively, a competitive assay may be utilized, in which a

polypeptide is labeled with a reporter group and allowed to bind to the immobilized binding partner after incubation of the binding partner with the sample. The extent to which components of the sample inhibit the binding of the labeled polypeptide to the binding partner is indicative of the reactivity of the sample with the immobilized binding partner.

The solid support may be any material known to those of ordinary skill in the art to which the antigen may be attached. For example, the solid support may be a test well in a microtiter plate or a nitrocellulose or other suitable membrane. Alternatively, the support may be a bead or disc, such as glass, fiberglass, latex or a plastic material such as polystyrene or polyvinylchloride. The support may also be a magnetic particle or a fiber optic sensor, such as those disclosed, for example, in U.S. Patent No. 5,359,681. The binding agent may be immebilized on the solid support using a variety of techniques known to those of skill in the art, which are amply described in the patent and scientific literature. In the context of the present invention, the term "immobilization" refers to both noncovalent association, such as adsorption, and covalent attachment (which may be a direct linkage between the antigen and functional groups on the support or may be a linkage by way of a cross-linking agent). Immobilization by adsorption to a well in a microtiter plate or to a membrane is preferred. In such cases, adsorption may be achieved by contacting the binding agent, in a suitable buffer, with the solid support for a suitable amount of time. The contact time varies with temperature, but is typically between about 1 hour and about 1 day. In general, contacting a well of a plastic microtiter plate (such as polystyrene or polyvinylchloride) with an amount of binding agent ranging from about 10 ng to about 10 µg, and preferably about 100 ng to about 1 μg, is sufficient to immobilize an adequate amount of binding agent.

Covalent attachment of binding agent to a solid support may generally be achieved by first reacting the support with a bifunctional reagent that will react with both the support and a functional group, such as a hydroxyl or amino group, on the binding agent. For example, the binding agent may be covalently attached to supports having an appropriate polymer coating using benzoquinone or by condensation of an aldehyde group on the support with an amine and an active hydrogen on the binding partner (see, e.g., Pierce Immunotechnology Catalog and Handbook, 1991, at A12-A13).

In certain embodiments, the assay is a two-antibody sandwich assay. This assay may be performed by first contacting an antibody that has been immobilized on a solid support, commonly the well of a microtiter plate, with the sample, such that polypeptides within the sample are allowed to bind to the immobilized antibody. Unbound sample is then removed from the immobilized polypeptide-antibody complexes and a second antibody (containing a reporter group) capable of binding to a different site on the polypeptide is added. The amount of second antibody that remains bound to the solid support is then determined using a method appropriate for the specific reporter group.

More specifically, once the antibody is immobilized on the support as described above, the remaining protein binding sites on the support are typically blocked. Any suitable blocking agent known to those of ordinary skill in the art, such as bovine serum albumin or Tween 20<sup>TM</sup> (Sigma Chemical Co., St. Louis, MO). The immobilized antibody is then incubated with the sample, and polypeptide is allowed to bind to the antibody. The sample may be diluted with a suitable diluent, such as phosphate-buffered saline (PBS) prior to incubation. In general, an appropriate contact time (i.e., incubation time) is that period of time that is sufficient to detect the presence of polypeptide within a sample obtained from an individual with prostate cancer. Preferably, the contact time is sufficient to achieve a level of binding that is at least about 95% of that achieved at equilibrium between bound and unbound polypeptide. Those of ordinary skill in the art will recognize that the time necessary to achieve equilibrium may be readily determined by assaying the level of binding that occurs over a period of time. At room temperature, an incubation time of about 30 minutes is generally sufficient.

Unbound sample may then be removed by washing the solid support with an appropriate buffer, such as PBS containing 0.1% Tween 20<sup>™</sup>. The second antibody, which contains a reporter group, may then be added to the solid support. Preferred reporter groups include enzymes (such as horseradish peroxidase), substrates, cofactors, inhibitors, dyes, radionuclides, luminescent groups, fluorescent groups and biotin. The conjugation of antibody to reporter group may be achieved using standard methods known to those of ordinary skill in the art.

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The second antibody is then incubated with the immobilized antibody-polypeptide complex for an amount of time sufficient to detect the bound polypeptide. An appropriate amount of time may generally be determined by assaying the level of binding that occurs over a period of time. Unbound second antibody is then removed and bound second antibody is detected using the reporter group. The method employed for detecting the reporter group depends upon the nature of the reporter group. For radioactive groups, scintillation counting or autoradiographic methods are generally appropriate. Spectroscopic methods may be used to detect dyes, luminescent groups and fluorescent groups. Biotin may be detected using avidin, coupled to a different reporter group (commonly a radioactive or fluorescent group or an enzyme). Enzyme reporter groups may generally be detected by the addition of substrate (generally for a specific period of time), followed by spectroscopic or other analysis of the reaction products.

To determine the presence or absence of prostate cancer, the signal detected from the reporter group that remains bound to the solid support is generally compared to a signal that corresponds to a predetermined cut-off value. In one preferred embodiment, the cut-off value is the average mean signal obtained when the immobilized antibody is incubated with samples from patients without prostate cancer. In general, a sample generating a signal that is three standard deviations above the predetermined cut-off value is considered positive for prostate cancer. In an alternate preferred embodiment, the cut-off value is determined using a Receiver Operator Curve, according to the method of Sackett et al., Clinical Epidemiology: A Basic Science for Clinical Medicine, Little Brown and Co., 1985, p. 106-7. Briefly, in this embodiment, the cut-off value may be determined from a plot of pairs of true positive rates (i.e., sensitivity) and false positive rates (100%-specificity) that correspond to each possible cut-off value for the diagnostic test result. The cut-off value on the plot that is the closest to the upper left-hand corner (i.e., the value that encloses the largest area) is the most accurate cut-off value, and a sample generating a signal that is higher than the cut-off value determined by this method may be considered positive. Alternatively, the cut-off value may be shifted to the left along the plot, to minimize the false positive rate, or to the right, to minimize the false negative rate. In general, a sample generating a signal that is higher than the cut-off value determined by this method is considered positive for prostate cancer.

In a related embodiment, the assay is performed in a flow-through or strip test format, wherein the antibody is immobilized on a membrane, such as nitrocellulose. In the flow-through test, polypeptides within the sample bind to the immobilized antibody as the sample passes through the membrane. A second, labeled antibody then binds to the antibodypolypeptide complex as a solution containing the second antibody flows through the membrane. The detection of bound second antibody may then be performed as described above. In the strip test format, one end of the membrane to which antibody is bound is immersed in a solution containing the sample. The sample migrates along the membrane through a region containing second antibody and to the area of immobilized antibody. Concentration of second antibody at the area of immobilized antibody indicates the presence of prostate cancer. Typically, the concentration of second antibody at that site generates a pattern, such as a line, that can be read visually. The absence of such a pattern indicates a negative result. In general, the amount of antibody immobilized on the membrane is selected to generate a visually discernible pattern when the biological sample contains a level of polypeptide that would be sufficient to generate a positive signal in the two-antibody sandwich assay, in the format discussed above. Preferably, the amount of antibody immobilized on the membrane ranges from about 25 ng to about 1µg, and more preferably from about 50 ng to about 500 ng. Such tests can typically be performed with a very small amount of biological sample.

Of course, numerous other assay protocols exist that are suitable for use with the antigens or antibodies of the present invention. The above descriptions are intended to be exemplary only.

In another embodiment, the above polypeptides may be used as markers for the progression or prostate cancer. In this embodiment, assays as described above for the diagnosis of prostate cancer may be performed over time, and the change in the level of reactive polypeptide(s) evaluated. For example, the assays may be performed every 24-72 hours for a period of 6 months to 1 year, and thereafter performed as needed. In general, prostate cancer is progressing in those patients in whom the level of polypeptide detected by the binding agent increases over time. In contrast, prostate cancer is not progressing when the level of reactive polypeptide either remains constant or decreases with time.

Antibodies for use in the above methods may be prepared by any of a variety of techniques known to those of ordinary skill in the art. See, e.g., Harlow and Lane, Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory, 1988. In one such technique, an immunogen comprising the antigenic polypeptide is initially injected into any of a wide variety of mammals (e.g., mice, rats, rabbits, sheep and goats). In this step, the polypeptides of this invention may serve as the immunogen without modification. Alternatively, particularly for relatively short polypeptides, a superior immune response may be elicited if the polypeptide is joined to a carrier protein, such as bovine serum albumin or keyhole limpet hemocyanin. The immunogen is injected into the animal host, preferably according to a predetermined schedule incorporating one or more booster immunizations, and the animals are bled periodically. Polyclonal antibodies specific for the polypeptide may then be purified from such antisera by, for example, affinity chromatography using the polypeptide coupled to a suitable solid support.

Monoclonal antibodies specific for the antigenic polypeptide of interest may be prepared, for example, using the technique of Kohler and Milstein, Eur. J. Immunol. 6:511-519, 1976, and improvements therethe Briefly, these methods involve the preparation of immortal cell lines capable of producing antibodies having the desired specificity (i.e., reactivity with the polypeptide of interest). Such cell lines may be produced, for example, from spleen cells obtained from an animal immunized as described above. The spleen cells are then immortalized by, for example, fusion with a myeloma cell fusion partner, preferably one that is syngeneic with the immunized animal. A variety of fusion techniques may be employed. For example, the spleen cells and myeloma cells may be combined with a nonionic detergent for a few minutes and then plated at low density on a selective medium that supports the growth of hybrid cells, but not myeloma cells. A preferred selection technique uses HAT (hypoxanthine, aminopterin, thymidine) selection. After a sufficient time, usually about 1 to 2 weeks, colonies of hybrids are observed. Single colonies are selected and tested for binding activity against the polypeptide. Hybridomas having high reactivity and specificity are preferred.

Monoclonal antibodies may be isolated from the supernatants of growing hybridoma colonies. In addition, various techniques may be employed to enhance the yield,

such as injection of the hybridoma cell line into the peritoneal cavity of a suitable vertebrate host, such as a mouse. Monoclonal antibodies may then be harvested from the ascites fluid or the blood. Contaminants may be removed from the antibodies by conventional techniques, such as chromatography, gel filtration, precipitation, and extraction. The polypeptides of this invention may be used in the purification process in, for example, an affinity chromatography step.

Monoclonal antibodies of the present invention may also be used as therapeutic reagents, to diminish or eliminate prostate tumors. The antibodies may be used on their own (for instance, to inhibit metastases) or coupled to one or more therapeutic agents. Suitable agents in this regard include radionuclides, differentiation inducers, drugs, toxins, and derivatives thereof. Preferred radionuclides include <sup>90</sup>Y, <sup>123</sup>I, <sup>125</sup>I, <sup>131</sup>I, <sup>186</sup>Re, <sup>188</sup>Re, <sup>211</sup>At, and <sup>212</sup>Bi. Preferred drugs include methotrexate, and pyrimidine and purine analogs. Preferred differentiation inducers include phorbol esters and butyric acid. Preferred toxins include ricin, abrin, diptheria toxin, cholera toxin, gelonin, Pseudomonas exotoxin, Shigella toxin, and pokeweed antiviral protein.

A therapeutic agent may be coupled (e.g., covalently bonded) to a suitable monoclonal antibody either directly or indirectly (e.g., via a linker group). A direct reaction between an agent and an antibody is possible when each possesses a substituent capable of reacting with the other. For example, a nucleophilic group, such as an amino or sulfhydryl group, on one may be capable of reacting with a carbonyl-containing group, such as an anhydride or an acid halide, or with an alkyl group containing a good leaving group (e.g., a halide) on the other.

Alternatively, it may be desirable to couple a therapeutic agent and an antibody via a linker group. A linker group can function as a spacer to distance an antibody from an agent in order to avoid interference with binding capabilities. A linker group can also serve to increase the chemical reactivity of a substituent on an agent or an antibody, and thus increase the coupling efficiency. An increase in chemical reactivity may also facilitate the use of agents, or functional groups on agents, which otherwise would not be possible.

It will be evident to those skilled in the art that a variety of bifunctional or polyfunctional reagents, both homo- and hetero-functional (such as those described in the

catalog of the Pierce Chemical Co., Rockford, IL), may be employed as the linker group. Coupling may be effected, for example, through amino groups, carboxyl groups, sulfhydryl groups or oxidized carbohydrate residues. There are numerous references describing such methodology, e.g., U.S. Patent No. 4,671,958, to Rodwell et al.

Where a therapeutic agent is more potent when free from the antibody portion of the immunoconjugates of the present invention, it may be desirable to use a linker group which is cleavable during or upon internalization into a cell. A number of different cleavable linker groups have been described. The mechanisms for the intracellular release of an agent from these linker groups include cleavage by reduction of a disulfide bond (e.g., U.S. Patent No. 4,489,710, to Spitler), by irradiation of a photolabile bond (e.g., U.S. Patent No. 4,625,014, to Senter et al.), by hydrolysis of derivatized amino acid side chains (e.g., U.S. Patent No. 4,638,045, to Kohn et al.), by serum complement-mediated hydrolysis (e.g., U.S. Patent No. 4,671,958, to Rodwell et al.), and acid-catalyzed hydrolysis (e.g., U.S. Patent No. 4,569,789, to Blattler et al.).

It may be desirable to couple more than one agent to an antibody. In one embodiment, multiple molecules of an agent are coupled to one antibody molecule. In another embodiment, more than one type of agent may be coupled to one antibody. Regardless of the particular embodiment, immunoconjugates with more than one agent may be prepared in a variety of ways. For example, more than one agent may be coupled directly to an antibody molecule, or linkers which provide multiple sites for attachment can be used. Alternatively, a carrier can be used.

A carrier may bear the agents in a variety of ways, including covalent bonding either directly or via a linker group. Suitable carriers include proteins such as albumins (e.g., U.S. Patent No. 4,507,234, to Kato et al.), peptides and polysaccharides such as aminodextran (e.g., U.S. Patent No. 4,699,784, to Shih et al.). A carrier may also bear an agent by noncovalent bonding or by encapsulation, such as within a liposome vesicle (e.g., U.S. Patent Nos. 4,429,008 and 4,873,088). Carriers specific for radionuclide agents include radiohalogenated small molecules and chelating compounds. For example, U.S. Patent No. 4,735,792 discloses representative radiohalogenated small molecules and their synthesis. A radionuclide chelate may be formed from chelating compounds that include those containing

nitrogen and sulfur atoms as the donor atoms for binding the metal, or metal oxide, radionuclide. For example, U.S. Patent No. 4,673,562, to Davison et al. discloses representative chelating compounds and their synthesis.

A variety of routes of administration for the antibodies and immunoconjugates may be used. Typically, administration will be intravenous, intramuscular, subcutaneous or in the bed of a resected tumor. It will be evident that the precise dose of the antibody/immunoconjugate will vary depending upon the antibody used, the antigen density on the tumor, and the rate of clearance of the antibody.

Diagnostic reagents of the present invention may also comprise DNA sequences encoding one or more of the above polypeptides, or one or more portions thereof. For example, at least two oligonucleotide primers may be employed in a polymerase chain reaction (PCR) based assay to amplify prostate tumor-specific cDNA derived from a biological sample, wherein at least one of the oligonucleotide primers is specific for a DNA molecule encoding a prostate tumor protein of the present invention. The presence of the amplified cDNA is then detected using techniques well known in the art, such as gel electrophoresis. Similarly, oligonucleotide probes specific for a DNA molecule encoding a prostate tumor protein of the present invention may be used in a hybridization assay to detect the presence of an inventive polypeptide in a biological sample.

As used herein, the term "oligonucleotide primer/probe specific for a DNA molecule" means an oligonucleotide sequence that has at least about 80%, preferably at least about 90% and more preferably at least about 95%, identity to the DNA molecule in question. Oligonucleotide primers and/or probes which may be usefully employed in the inventive diagnostic methods preferably have at least about 10-40 nucleotides. In a preferred embodiment, the oligonucleotide primers comprise at least about 10 contiguous nucleotides of a DNA molecule having a sequence selected from SEQ ID Nos: 1-107, 109-111, 115-171, 173-175, 177 and 179-224. Preferably, oligonucleotide probes for use in the inventive diagnostic methods comprise at least about 15 contiguous oligonucleotides of a DNA molecule having a sequence provided in SEQ ID Nos: 1-107, 109-111, 115-171, 173-175, 177 and 179-224. Techniques for both PCR based assays and hybridization assays are well known in the art (see, for example, Multis et al. *Ibid*; Ehrlich, *Ibid*). Primers or probes may

thus be used to detect prostate tumor-specific sequences in biological samples, including blood, semen, prestate tissue and/or prostate tumor tissue.

Polypeptides of the present invention that comprise an immunogenic portion of a prostate tumor protein may also be used for immunotherapy of prostate cancer, wherein the polypeptide stimulates the patient's own immune response to prostate tumor cells. In further aspects, the present invention provides methods for using one or more of the immunoreactive polypeptides encoded by a DNA molecule having a sequence provided in SEQ ID NO: 1-107, 109-111, 115-171, 173-175, 177 and 179-224 (of DNA encoding such polypeptides) for immunotherapy of prostate cancer in a patient. As used herein, a "patient" refers to any warm-blooded animal, preferably a human. A patient may be afflicted with a midisease, or may be free of detectable disease. Accordingly, the above immunoreactive polypeptides may be used to treat prostate cancer or to inhibit the development of prostate cancer. The polypeptides may be administered either prior to or following surgical removal of primary tumors and/or treatment by administration of radiotherapy and conventional in chemotherapeutic drugs.

In these aspects, the polypeptide is generally present within a pharmaceutical composition and/or a vaccine. Pharmaceutical compositions may comprise one or more polypeptides, each of which may contain one or more of the above sequences (or variants thereof), and a physiologically acceptable carrier. The vaccines may comprise one or more of such polypeptides and a non-specific immune response enhancer, such as an adjuvant, biodegradable microsphere (e.g., polylactic galactide) or a liposome (into which the polypeptide is incorporated). Pharmaceutical compositions and vaccines may also contain other epitopes of prostate tumor antigens, either incorporated into a combination polypeptide (i.e., a single polypeptide that contains multiple epitopes) or present-within a separate polypeptide.

Alternatively, a pharmaceutical composition or vaccine may contain DNA encoding one or more of the above polypeptides, such that the polypeptide is generated in situ. In such pharmaceutical compositions and vaccines, the DNA may be present within any of a variety of delivery systems known to those of ordinary skill in the art, including nucleic acid expression systems, bacteria and viral expression systems. Appropriate nucleic acid

expression systems contain the necessary DNA sequences for expression in the patient (such as a suitable promoter). Bacterial delivery systems involve the administration of a bacterium (such as Bacillus-Calmette-Guerrin) that expresses an epitope of a prostate cell antigen on its cell surface. In a preferred embodiment, the DNA may be introduced using a viral expression system (e.g., vaccinia or other pox virus, retrovirus, or adenovirus), which may involve the use of a non-pathogenic (defective), replication competent virus. Suitable systems are disclosed, for example, in Fisher-Hoch et al., PNAS 86:317-321, 1989; Flexner et al., Ann. N.Y. Acad. Sci. 569:86-103, 1989; Flexner et al., Vaccine 8:17-21, 1990; U.S. Patent Nos. 4,603,112, 4,769,330, and 5,017,487; WO 89/01973; U.S.: Patent No. 4,777,127; GB 2,200,651; EP 0,345,242; WO 91/02805; Berkner, Biotechniques 6:616-627, 1988; Rosenfeld et al., Science 252:431-434, 1991; Kolls et al., PNAS 91:215-219, 1994; Kass-Eisler et al., PNAS 90:11498-11502, 1993; Guzman et al., Circulation 88:2838-2848, 1993; and Guzman et al., Cir. Res. 73:1202-1207, 1993. Techniques for incorporating DNA into such expression systems are well known to those of ordinary skill in the art. The DNA may also be "naked," as described, for example, in published PCT application WO 90/11092, and Ulmer et al.. Science 259:1745-1749, 1993, reviewed by Cohen, Science 259:1691-1692, 1993. The uptake of naked DNA may be increased by coating the DNA onto biodegradable beads, which are efficiently transported into the cells.

Routes and frequency of administration, as well as dosage, will vary from individual to individual and may parallel those currently being used in immunotherapy of other diseases. In general, the pharmaceutical compositions and vaccines may be administered by injection (e.g., intracutaneous, intramuscular, intravenous or subcutaneous), intranasally (e.g., by aspiration) or orally. Between 1 and 10 doses may be administered over a 3-24 week period. Preferably, 4 doses are administered, at an interval of 3 months, and booster administrations may be given periodically thereafter. Alternate protocols may be appropriate for individual patients. A suitable dose is an amount of polypeptide or DNA that is effective to raise an immune response (cellular and/or humoral) against prostate tumor cells in a treated patient. A suitable immune response is at least 10-50% above the basal (i.e., untreated) level. In general, the amount of polypeptide present in a dose (or produced in situ by the DNA in a dose) ranges from about 1 pg to about 100 mg per kg of host, typically from

about 10 pg to about 1 mg, and preferably from about 100 pg to about 1 µg. Suitable dose sizes will vary with the size of the patient, but will typically range from about 0.01 mL to about 5 mL.

While any suitable carrier known to those of ordinary skill in the art may be employed in the pharmaceutical compositions of this invention, the type of carrier will vary depending on the mode of administration. For parenteral administration, such as subcutaneous injection, the carrier preferably comprises water, saline, alcohol, a lipid, a wax and/or a buffer. For oral administration, any of the above carriers or a solid carrier, such as mannitol, lactose, starch, magnesium stearate, sodium saccharine, talcum, cellulose, glucose, sucrose, and/or magnesium carbonate, may be employed. Biodegradable microspheres (e.g., polylactic glycolide) may also be employed as carriers for the pharmaceutical compositions of this invention. Suitable biodegradable microspheres are disclosed, for example, in U.S. Patent Nos. 4,897,268 and 5,075,109.

Any of a variety of non-specific immune response enhancers may be employed in the vaccines of this invention. For example, an adjuvant may be included. Most adjuvants contain a substance designed to protect the antigen from rapid catabolism, such as aluminum hydroxide or mineral oil, and a nonspecific stimulator of immune response, such as lipid A, Bordella pertussis or Mycobacterium tuberculosis. Such adjuvants are commercially available as, for example, Freund's Incomplete Adjuvant and Complete Adjuvant (Difco Laboratories, Detroit, MI) and Merck Adjuvant 65 (Merck and Company, Inc., Rahway, NJ).

Polypeptides disclosed herein may also be employed in ex vivo treatment of prostate cancer. For example, cells of the immune system, such as T cells, may be isolated from the peripheral blood of a patient, using a commercially available cell separation system, such as CellPro Incorporated's (Bothell, WA) CEPRATE™ system (see U.S. Patent No. 5,240,856; U.S. Patent No. 5,215,926; WO 89/06280; WO 91/16116 and WO 92/07243). The separated cells are stimulated with one or more of the immunoreactive polypeptides contained within a delivery vehicle, such as a microsphere, to provide antigen-specific T cells. The population of tumor antigen-specific T cells is then expanded using standard techniques and the cells are administered back to the patient.

The following Examples are offered by way of illustration and not by way of limitation.

## EXAMPLES :

## EXAMPLE 1

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ISOLATION AND CHARACTERIZATION OF PROSTATE TUMOR POLYPEPTIDES

This Example describes the isolation of prostate tumor polypeptides from a prostate tumor cDNA library.

A human prostate tumor cDNA expression library was constructed from prostate tumor poly A<sup>+</sup> RNA using a Superscript Plasmid System for cDNA Synthesis and Plasmid Cloning kit (BRL Life Technologies, Gaithersburg, MD 20897) following the manufacturer's protocol. Specifically, prostate tumor tissues were homogenized with polytron (Kinematica, Switzerland) and total RNA was extracted using Trizol reagent (BRL Life Technologies) as directed by the manufacturer. The poly A<sup>+</sup> RNA was then purified using a Qiagen oligotex spin column mRNA purification kit (Qiagen, Santa Clarita, CA 91355) according to the manufacturer's protocol. First-strand cDNA was synthesized using the Notl/Oligo-dT18 primer. Double-stranded cDNA was synthesized, ligated with EcoRI/BAXI adaptors (Invitrogen, San Diego, CA) and digested with Notl. Following size fractionation with Chroma Spin-1000 columns (Clontech, Palo Alto, CA 94303), the cDNA was ligated into the EcoRI/Notl site of pCDNA3.1 (Invitrogen) and transformed into ElectroMax E. coli DH10B cells (BRL Life Technologies) by electroporation.

Using the same procedure, a normal human pancreas cDNA expression library was prepared from a pool of six tissue specimens (Clontech). The cDNA libraries were characterized by determining the number of independent colonies, the percentage of clones that carried insert, the average insert size and by sequence analysis. The prostate tumor library contained 1.64 x 10<sup>7</sup> independent colonies, with 70% of clones having an insert and the average insert size being 1745 base pairs. The normal pancreas cDNA library contained 3.3 x 10<sup>6</sup> independent colonies, with 69% of clones having inserts and the average insert size

being 1120 base pairs. For both libraries, sequence analysis showed that the majority of clones had a full length cDNA sequence and were synthesized from mRNA, with minimal rRNA and mitochondrial DNA contamination.

cDNA library subtraction was performed using the above prostate tumor and normal pancreas cDNA libraries, as described by Hara et al. (*Blood*, 84:189-199, 1994) with some modifications. Specifically, a prostate tumor-specific subtracted cDNA library was generated as follows. Normal pancreas cDNA library (70 μg) was digested with EcoRI, NotI, and SfuI, followed by a filling-in reaction with DNA polymerase Klenow fragment. After phenol-chloroform extraction and ethanol precipitation, the DNA was dissolved in 100 μl of H<sub>2</sub>O, heat-denatured and mixed with 100 μl (100 μg) of Photoprobe biotin (Vector Laboratories, Burlingame, CA). As recommended by the manufacturer, the resulting mixture was irradiated with a 270 W sunlamp on ice for 20 minutes. Additional Photoprobe biotin (50 μl) was added and the biotinylation reaction was repeated. After extraction with butanol five times, the DNA was ethanol-precipitated and dissolved in 23 μl H<sub>2</sub>O to form the driver DNA.

To form the tracer DNA, 10 μg prostate tumor cDNA library was digested with BamHI and XhoI, phenol chloroform extracted and passed through Chroma spin-400 columns (Clontech). Following ethanol precipitation, the tracer DNA was dissolved in 5 μl H<sub>2</sub>O. Tracer DNA was mixed with 15 μl driver DNA and 20 μl of 2 x hybridization buffer (1.5 M NaCl/10 mM EDTA/50 mM HEPES pH 7.5/0.2% sodium dodecyl sulfate), overflaid with mineral oil, and heat-denatured completely. The sample was immediately transferred into a 68 °C water bath and incubated for 20 hours (long hybridization [LH]). The reaction mixture was then subjected to a streptavidin treatment followed by phenol/chloroform extraction. This process was repeated three more times. Subtracted DNA was precipitated, dissolved in 12 μl H<sub>2</sub>O, mixed with 8 μl driver DNA and 20 μl of 2 x hybridization buffer, and subjected to a hybridization at 68 °C for 2 hours (short hybridization [SH]). After removal of biotinylated double-stranded DNA, subtracted cDNA was ligated into BamHI/XhoI site of chloramphenicol resistant pBCSK\* (Stratagene, La Jolla, CA 92037) and transformed into ElectroMax *E. coli* DH10B cells by electroporation to generate a prostate tumor specific subtracted cDNA library(prostate subtraction 1.

To analyze the subtracted cDNA library, plasmid DNA was prepared from 100 independent ciones, randomly picked from the subtracted prostate tumor specific library and grouped based on insert size. Representative cDNA clones were further characterized by DNA sequencing with a Perkin Elmer/Applied Biosystems Division Automated Sequencer Model 373A (Foster City, CA). Six cDNA clones, hereinafter referred to as F1-13, F1-12, F1-16, H1-1, H1-9 and H1-4, were shown to be abundant in the subtracted prostate-specific cDNA library. The determined 3' and 5' cDNA sequences for F1-12 are provided in SEQ ID NO: 2 and 3, respectively, with determined 3' cDNA sequences for F1-13, F1-16, H1-1, H1-9 and H1-4 being provided in SEQ ID No: 1 and 4-7, respectively.

The cDNA sequences for the isolated clones were compared to known sequences in the gene bank using the EMBL and GenBank databases (release 96). Four of the prostate tumor cDNA clones, F1-13, F1-16, H1-1, and H1-4, were determined to encode the following previously identified proteins: prostate specific antigen (PSA), human glandular kallikrein, human tumor expression enhanced gene, and mitochondria cytochrome C oxidase subunit II. H1-9 was found to be identical to a previously identified human autonomously replicating sequence. No significant homologies to the cDNA sequence for F1-12 were found.

Subsequent studies led to the isolation of a full-length cDNA sequence for F1-12. This sequence is provided in SEQ ID NO: 107, with the corresponding predicted amino acid sequence being provided in SEQ ID NO: 108.

To clone less abundant prostate tumor specific genes, cDNA library subtraction was performed by subtracting the prostate tumor cDNA library described above with the normal pancreas cDNA library and with the three most abundant genes in the previously subtracted prostate tumor specific cDNA library: human glandular kallikrein, prostate specific antigen (PSA), and mitochondria cytochrome C oxidase subunit II. Specifically, I µg each of human glandular kallikrein, PSA and mitochondria cytochrome C oxidase subunit II cDNAs in pCDNA3.1 were added to the driver DNA and subtraction was performed as described above to provide a second subtracted cDNA library hereinafter referred to as the "subtracted prostate tumor specific cDNA library with spike".

Twenty-two cDNA clones were isolated from the subtracted prostate tumor specific cDNA library with spike. The determined 3' and 5' cDNA sequences for the clones referred to as J1-17, L1-12, N1-1862, J1-13, J1-19, J1-25, J1-24, K1-58, K1-63, L1-4 and L1-14 are provided in SEQ ID Nos: 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-21, 22-23, 24-25, 26-27 and 28-29, respectively. The determined 3' cDNA sequences for the clones referred to as J1-12, J1-16, J1-21, K1-48, K1-55, L1-2, L1-6, N1-1858, N1-1860, N1-1861, N1-1864 are provided in SEQ ID Nos: 30-40, respectively. Comparison of these sequences with those in the gene bank as described above, revealed no significant homologies to three of the five most abundant DNA species, (J1-17, L1-12 and N1-1862; SEQ ID Nos: 8-9, 10-11 and 12-13, respectively). Of the remaining two most abundant species, one (J1-12; SEQ ID NO:30) was found to be identical to the previously identified human pulmonary surfactant-associated protein, and the other (K1-48; SEQ ID NO:33) was determined to have some homology to R. norvegicus mRNA for 2-arylpropionyl-CoA epimerase. Of the 17 less abundant cDNA clones isolated from the subtracted prostate tumor specific cDNA library with spike, four (J1-16, K1-55, L1-6 and N1-1864; SEQ ID Nos:31, 34, 36 and 40, respectively) were found to be identical to previously identified sequences, two (J1-21 and N1-1860; SEQ ID Nos: 32 and 38, respectively) were found to show some homology to non-human sequences, and two (L1-2 and N1-1861; SEQ ID Nos: 35 and 39, respectively) were found to show some homology to known human sequences. No significant homologies were found to the polypeptides J1-13, J1-19, J1-24, J1-25, K1-58, K1-63, L1-4, L1-14 (SEQ ID Nos: 14-15, 16-17, 20-21, 18-19, 22-23, 24-25, 26-27, 28-29, respectively).

Subsequent studies led to the isolation of full length cDNA sequences for J1-17, L1-12 and N1-1862 (SEQ ID NOS: 109-111, respectively). The corresponding predicted amino acid sequences are provided in SEQ ID NOS: 112-114.

In a further experiment, four additional clones were identified by subtracting a prostate tumor cDNA library with normal prostate cDNA prepared from a pool of three normal prostate poly A+ RNA (prostate subtraction 2). The determined cDNA sequences for these clones, hereinafter referred to as U1-3064, U1-3065, V1-3692 and 1A-3905, are provided in SEQ ID NO: 69-72, respectively. Comparison of the determined sequences with those in the gene bank revealed no significant homologies to U1-3065.

A second subtraction with spike (prostate subtraction spike 2) was performed by subtracting a prostate tumor specific cDNA library with spike with normal pancreas cDNA library and further spiked with PSA, J1-17, pulmonary surfactant-associated protein, mitochondrial DNA, cytochrome c oxidase subunit II, N1-1862, autonomously replicating sequence; L1-12 and tumor expression enhanced gene. Four additional clones, hereinafter referred to as V1-3686, R1-2330, 1B-3976 and V1-3679, were isolated. The determined cDNA sequences for these clones are provided in SEQ ID NO:73-76, respectively. Comparison of these sequences with those in the gene bank revealed no significant homelogies to V1-3686 and R1-2330.

Further analysis of the three prostate subtractions described above (prostate subtraction 2, subtracted prostate tumor specific cDNA library with spike, and prostate subtraction spike 2) resulted in the identification of sixteen additional clones, referred to as 1G-4736, 1G-4738, 1G-4741, 1G-4744, 1G-4734, 1H-4774, 1H-4781, 1H-4785, 1H-4787, 1H-4796, 1I-4810, 1I-4811, 1J-4876, 1K-4884 and 1K-4896. The determined cDNA sequences for these clones are provided in SEQ ID NOS: 77-92, respectively. Comparison of these sequences with those in the gene bank as described above, revealed no significant homologies to 1G-4741, 1G-4734, 1I-4807, 1J-4876 and 1K-4896 (SEQ ID NOS: 79, 81, 87, 90 and 92, respectively). Further analysis of the isolated clones led to the determination of extended cDNA sequences for 1G-4736, 1G-4738, 1G-4741, 1G-4744, 1H-4774, 1H-4781, 1H-4785, 1H-4787, 1H-4796, 1I-4807, 1J-4876, 1K-4884 and 1K-4896, provided in SEQ ID NOS: 179-188 and 191-193, respectively, and to the determination of additional partial cDNA sequences for 1I-4810 and 1I-4811, provided in SEQ ID NOS: 189 and 190, respectively.

An additional subtraction was performed by subtracting a normal prostate cDNA library with normal pancreas cDNA (prostate subtraction 3). This led to the identification of six additional clones referred to as 1G-4761, 1G-4762, 1H-4766, 1H-4770, 1H-4771 and 1H-4772 (SEQ ID NOS: 93-98). Comparison of these sequences with those in the gene bank revealed no significant homologies to 1G-4761 and 1H-4771 (SEQ ID NOS: 93 and 97, respectively). Further analysis of the isolated clones led to the determination of extended cDNA sequences for 1G-4761, 1G-4762, 1H-4766 and 1H-4772 provided in SEQ

ID NOS: 194-196 and 199, respectively, and to the determination of additional partial cDNA sequences for 1H-4770 and 1H-4771, provided in SEQ ID NOS: 197 and 198, respectively.

Subtraction of a prostate tumor cDNA library, prepared from a pool of polyA+RNA from three prostate cancer patients, with a normal pancreas cDNA library (prostate subtraction 4) led to the identification of eight clones, referred to as 1D-4297, 1D-4309, 1D.1-4278, 1D-4283, 1D-4283, 1D-4304, 1D-4296 and 1D-4280 (SEQ ID NOS: 99-107). These sequences were compared to those in the gene bank as described above. No significant homologies were found to 1D-4283 and 1D-4304 (SEQ ID NOS: 103 and 104, respectively). Further analysis of the isolated clones led to the determination of extended cDNA sequences for 1D-4309, 1D.1-4278, 1D-4288, 1D-4283, 1D-4304, 1D-4296 and 1D-4280, provided in SEQ ID NOS: 200-206, respectively.

cDNA clones isolated in prostate subtraction 1 and prostate subtraction 2, described above, were colony PCR amplified and their mRNA expression levels in prostate tumor, normal prostate and in various other normal tissues were determined using microarray technology (Synteni, Palo Alto, CA). Briefly, the PCR amplification products were dotted onto slides in an array format, with each product occupying a unique location in the array. mRNA was extracted from the tissue sample to be tested, reverse transcribed, and fluorescent-labeled cDNA probes were generated. The microarrays were probed with the labeled cDNA probes, the slides scanned and fluorescence intensity was measured. This intensity correlates with the hybridization intensity. Two novel clones (referred to as P509S and P510S) were found to be over-expressed in prostate tumor and normal prostate and expressed at low levels in all other normal tissues tested (liver, pancreas, skin, bone marrow, brain, breast, adrenal gland, bladder, testes, salivary gland, large intestine, kidney, ovary, lung, spinal cord, skeletal muscle and colon). The determined cDNA sequences for P509S and P510S are provided in SEQ ID NO: 223 and 224, respectively. Comparison of these sequences with those in the gene bank as described above, revealed some homology to previously identified ESTs.

#### EXAMPLE 2

## DETERMINATION OF TISSUE SPECIFICITY OF PROSTATE TUMOR POLYPEPTIDES

Using gene specific primers, mRNA expression levels for the representative prostate tumor polypeptides F1-16, H1-1, J1-17; L1-12, F1-12 and N1-1862 were examined in a variety of normal and tumor tissues using RT-PCR.

Briefly, total RNA was extracted from a variety of normal and tumor tissues using Trizol reagent as described above. First strand synthesis was carried out using 1-2 μg of total RNA with SuperScript II reverse transcriptase (BRL Life Technologies) at 42 °C for one hour. The cDNA was then amplified by PCR with gene-specific primers. To ensure the semi-quantitative nature of the RT-PCR, β-actin was used as an internal control for each of the tissues examined. First, serial dilutions of the first strand cDNAs were prepared and RT-PCR assays were performed using β-actin specific primers. A dilution was then chosen that enabled the linear range amplification of the β-actin template and which was sensitive enough to reflect the differences in the initial copy numbers. Using these conditions, the β-actin levels were determined for each reverse transcription reaction from each tissue. DNA contamination was minimized by DNase treatment and by assuring a negative PCR result when using first strand cDNA that was prepared without adding reverse transcriptase.

mRNA Expression levels were examined in four different types of tumor tissue (prostate tumor from 2 patients, breast tumor from 3 patients, colon tumor, lung tumor), and sixteen different normal tissues, including prostate, colon, kidney, liver, lung, ovary, pancreas, skeletal muscle, skin, stomach, testes, bone marrow and brain. F1-16 was found to be expressed at high levels in prostate tumor tissue, colon tumor and normal prostate, and at lower levels in normal liver, skin and testes, with expression being undetectable in the other tissues examined. H1-1 was found to be expressed at high levels in prostate tumor, lung tumor, breast tumor, normal prostate, normal colon and normal brain, at much lower levels in normal lung, pancreas, skeletal muscle, skin, small intestine, bone marrow, and was not detected in the other tissues tested. J1-17 and L1-12 appear to be specifically over-expressed in prostate, with both genes being expressed at high levels in prostate tumor and normal prostate but at low to undetectable levels in all the other tissues

examined. N1-1862 was found to be over-expressed in 60% of prostate tumors and detectable in normal colon and kidney. The RT-PCR results thus indicate that F1-16, H1-1, J1-17, N1-1862 and L1-12 are either prostate specific or are expressed at significantly elevated levels in prostate.

Further RT-PCR studies showed that F1-12 is over-expressed in 60% of prostate tumors, detectable in normal kidney but not detectable in all other tissues tested. Similarly, R1-2330 was shown to be over-expressed in 40% of prostate tumors, detectable in normal kidney and liver, but not detectable in all other tissues tested. U1-3064 was found to be over-expressed in 60% of prostate tumors, and also expressed in breast and colon tumors, but was not detectable in normal tissues.

RT-PCR characterization of R1-2330, U1-3064 and 1D-4279 showed that these three antigens are over-expressed in prostate and/or prostate tumors.

Northern analysis with four prostate tumors, two normal prostate samples, two BPH prostates, and normal colon, kidney, liver, lung, pancrease, skeletal muscle, brain, stomach, testes, small intestine and bone marrow, showed that L1-12 is over-expressed in prostate tumors and normal prostate, while being undetectable in other normal tissues tested. J1-17 was detected in two prostate tumors and not in the other tissues tested. N1-1862 was found to be over-expressed in three prostate tumors and to be expressed in normal prostate, colon and kidney, but not in other tissues tested. F1-12 was found to be highly expressed in two prostate tumors and to be undetectable in all other tissues tested.

The micro-array technology described above was used to determine the expression levels of representative antigens described herein in prostate tumor, breast tumor and the following normal tissues: prostate, liver, pancreas, skin, bone marrow, brain, breast, adrenal gland, bladder, testes, salivary gland, large intestine, kidney, ovary, lung, spinal cord, skeletal muscle and colon. L1-12 was found to be over-expressed in normal prostate and prostate tumor, with some expression being detected in normal skeletal muscle. Both J1-12 and F1-12 were found to be over-expressed in prostate tumor, with expression being lower or undetectable in all other tissues tested. N1-1862 was found to be expressed at high levels in prostate tumor and normal prostate, and at low levels in normal large intestine and normal colon, with expression being undetectable in all other tissues tested. R1-2330 was found to

be over-expressed in prostate tumor and normal prostate, and to be expressed at lower levels in all other tissues tested. 1D-4279 was found to be over-expressed in prostate tumor and normal prostate, expressed at lower levels in normal spinal cord, and to be undetectable in all other tissues tested.

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## ISOLATION AND CHARACTERIZATION OF PROSTATE TUMOR POLYPEPTIDES BY PCR-BASED SUBTRACTON

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A cDNA subtraction library, containing cDNA from normal prostates subtracted with ten other normal tissue cDNAs (brain, heart, kidney, liver; lung, ovary, placenta; skeletal muscle, spleen and thymus) and then submitted to a first round of PCR amplification, was purchased from Clontech. This library was subjected to a second round of PCR amplification, following the manufacturer's protocol. The resulting cDNA fragments were subcloned into the vector pT7 Blue T-vector (Novagen, Madison, WI) and transformed into XL-1 Blue MRF' E. coli (Stratagene). DNA was isolated from independent clones and sequenced using a Perkin Elmer/Applied Biosystems Division Automated Sequencer Model 373A.

Fifty-nine positive clones were sequenced. Comparison of the DNA sequences of these clones with those in the gene bank, as described above, revealed no significant homologies to 25 of these clones, hereinafter referred to as P5, P8, P9, P18, P20, P30, P34, P36, P38, P39, P42, P49, P50, P53, P55, P60, P64, P65, P73, P75, P76, P79, and P84. The determined cDNA sequences for these clones are provided in SEQ ID NO:41-45, 47-52 and 54-65, respectively. P29, P47, P68, P80 and P82 (SEQ ID NO:46, 53 and 66-68, respectively) were found to show some degree of homology to previously identified DNA sequences. To the best of the inventors' knowledge, none of these sequences have been previously shown to be present in prostate.

Further studies using the PCR-based methodology described above resulted in the isolation of more than 180 additional clones, of which 23 clones were found to show no significant

homologies to known sequences. The determined cDNA sequences for these clones are provided in SEQ ID NO: 115-123, 127, 131, 137, 145, 147-151, 153, 156-158 and 160. Twenty-three clones (SEQ ID NO: 124-126, 128-130, 132-136, 138-144, 146, 152, 154, 155 and 159) were found to show some homology to previously identified ESTs. An additional ten clones (SEQ ID NO: 161-170) were found to have some degree of homology to known genes. An additional clone, referred to as P703, was found to have five splice variants. The determined DNA sequence for the variants referred to as DE1, DE13 and DE14 are provided in SEQ ID NOS: 171, 175 and 177; respectively, with the corresponding predicted amino acid sequences being provided in SEQ ID NO: 172, 176 and 178, respectively. The DNA sequences for the splice variants referred to as DE2 and DE6 are provided in SEQ ID NOS: 173 and 174, respectively.

mRNA Expression levels for representative clones in tumor tissues (prostate (n=5), breast (n=2), colon and lung) normal tissues (prostate (n=5), colon, kidney, liver, lung (n=2), ovary (n=2), skeletal muscle, skin, stomach, small intestine and brain), and activated and non-activated PBMC was determined by RT-PCT as described above. Expression was examined in one sample of each tissue type unless otherwise indicated.

P9 was found to be highly expressed in normal prostate and prostate tumor compared to all normal tissues tested except for normal colon which showed comparable expression. P20 was found to be highly expressed in normal prostate and prostate tumor, compared to all twelve normal tissues tested. A modest increase in expression of P20 in breast tumor (n=2), colon tumor and lung tumor was seen compared to all normal tissues except lung (1 of 2). Increased expression of P18 was found in normal prostate, prostate tumor and breast tumor compared to other normal tissues except lung and stomach. A modest increase in expression of P5 was observed in normal prostate compared to most other normal tissues. However, some elevated expression was seen in normal lung and PBMC. Elevated expression of P5 was also observed in prostate tumors (2 of 5), breast tumor and one lung tumor sample. For P30, similar expression levels were seen in normal prostate and prostate tumor, compared to six of twelve other normal tissues tested. Increased expression was seen in breast tumors, one lung tumor sample and one colon tumor sample, and also in normal PBMC. P29 was found to be over-expressed in prostate tumor (5 of 5) and normal prostate (5

of 5) compared to the majority of normal tissues. However, substantial expression of P29 was observed in normal colon and normal lung (2 of 2). P80 was found to be over-expressed in prostate tumor (5 of 5) and normal prostate (5 of 5) compared to all other normal tissues tested, with increased expression also being seen in colon tumor.

Further studies using the above methodology resulted in the isolation of twelve additional clones, hereinafter referred to as 10-d8, 10-h10, 11-c8, 7-g6, 8-b5, 8-b6, 8-d4, 8-d9, 8-g3, 8-h11, g-f12 and g-f3. The determined DNA sequences for 10-d8, 10-h10, 11-c8, 8-d4, 8-d9, 8-h11, g-f12 and g-f3 are provided in SEQ ID NO: 207, 208, 209, 216, 217, 220, 221 and 222, respectively. The determined forward and reverse DNA sequences for 7-g6, 8-b5, 8-b6 and 8-g3 are provided in SEQ ID NO: 210 and 211; 212 and 213; 214 and 215; and 218 and 219, respectively. Comparison of these sequences with those in the gene bank revealed no significant homologies to the sequences of 7-g6 and g-f3. The clones 10-d8, 11-c8 and 8-h11 were found to show some homology to previously isolated ESTs, while 10-h10, 8-b5, 8-b6, 8-d4, 8-d9, 8-g3 and g-f12 were found to show some homology to previously identified genes.

#### **EXAMPLE 4**

#### SYNTHESIS OF POLYPEPTIDES

Polypeptides may be synthesized on an Applied Biosystems 430A peptide (O-Benzotriazole-N,N,N',N'chemistry with **HPTU FMOC** using synthesizer A Gly-Cys-Gly sequence may be tetramethyluronium hexafluorophosphate) activation. attached to the amino terminus of the peptide to provide a method of conjugation, binding to an immobilized surface, or labeling of the peptide. Cleavage of the peptides from the solid support may be carried out using the following cleavage mixture: trifluoroacetic acid:ethanedithiol:thioanisole:water:phenol (40:1:2:2:3). After cleaving for 2 hours, the peptides may be precipitated in cold methyl-t-butyl-ether. The peptide pellets may then be dissolved in water containing 0.1% trifluoroacetic acid (TFA) and lyophilized prior to purification by C18 reverse phase HPLC. A gradient of 0%-60% acetonitrile (containing 0.1% TFA) in water (containing 0.1% TFA) may be used to elute the peptides. Following lyephilization of the pure fractions, the peptides may be characterized using-electrospray or other types of mass spectrometry and by amino acid analysis.

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From the foregoing, it will be appreciated that, although specific embodiments of the invention have been described herein for the purposes of illustration, various modifications may be made without deviating from the spirit and scope of the invention.

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# SEQUENCE LISTING

- (i) APPLICANTS: Xu; Jiangchun
  Dillon, Davin C. (ii) TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF PROSTATE CANCER AND METHODS FOR THEIR USE
  - (iii) NUMBER OF SEQUENCES: 224
  - (iv) CORRESPONDENCE ADDRESS:
    - (A) ADDRESSEE: SEED and BERRY LLP

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- (B) STREET: 6300 Columbia Center, 701 Fifth Avenue
- (C) CITY: Seattle
- (D) STATE: WA
- (E) COUNTRY: USA
- (F) ZIP: 98104
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 etterning for the service of the companies of the compani
- (vi) CURRENT APPLICATION DATA: The state of the state of
  - (A) APPLICATION NUMBER:
  - (B) FILING DATE: 23:FEB-1998
- (C) CLASSIFICATION:

  (viii) ATTORNEY/AGENT INFORMATION:

  (A) NAME: Maki, David J.

  - (B) REGISTRATION NUMBER: 31,392
  - (C) REFERENCE/DOCKET NUMBER: 210121.428C3

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- (ix) TELECOMMUNICATION INFORMATION:
  (A) TELEPHONE: (206) 622-4900

  - (B) TELEFAX: (206) 682-6031
- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    (A) LENGTH: 814 base pairs

    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: cDNA
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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ATCAAATCTG	AGGGTTGTCT	GGAGGACTTC	AATACACCTC	CCCCCATAGT	GAATCAGCTT	` 120
CCAGGGGGTC	CAGTCCCTCT	CCTTACTTCA	TCCCCATCCC	ATGCCAAAGG	AAGACCCTCC	180
CTCCTTGGCT	CACAGCCTTC	TCTAGGCTTC	CCAGTGCCTC	CAGGACAGAG	TGGGTTATGT	240
					CTGCTCAGTG	300
					TCCACTAGTT	360
			AGCTTTTGTT			420
			TTTCCTGTGT			480
			AAGTGTAAAG			540
			CTGNCCGCTT			600
			NCGGGGAAAA			660
			CTCGGTCNTT			720
			NAAATENGGG	GATACCCNGG	TTTNAAAAAA	780
AACAAAAGGG	CANCAAAGGG	CNGAAACGTA			•	814
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#### (2) INFORMATION FOR SEQ ID NO:2: 15.41 SAI CATE OF CHESCOSIC.

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 816 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

ACAGAAATGT	TGGATGGTGG	AGCACCTTTC	TATACGACTT	ACAGGACAGC	AGATGGGGAA	60
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CTAAAGTCTG	ATGAACTTCC	CAATCAGATG	AGCATGGATG	ATTGGCCAGA	AATGAAGAAG	180
	ATGTATTTGC					240
ACAGATGCCT	GTGTGACTCC	GGTTCTGACT	TTTGAGGAGG	TTGTTCATCA	TGATCACAAC	300
	GCTCGTTTAT					360
CTGCTGTTAA	ACACCCCAGC	CATCCCTTCT	TTCAAAAGGG	ATCCACTAGT	TCTAGAAGCC	420
	CGGTGGAGCT					480
	TGGTCATAGC					540
AACATACGAG	CCGGAACATA.	AAGTGTTAAG	CCTGGGGTGC	CTAATGANTG	AGCTAACTCN	600
CATTAATTGC	GTTGCGCTCA	CTGCCCGCTT	TCCAGTCGGG	AAAACTGTCG	TGCCACTGCN	660
TTANTGAATC	NGCCACCCC	CGGGAAAAGG	CGGTTGCNTT	TTGGGCĆTCT	TCCGCTTTCC	720
TCGCTCATTG	ATCCTNGCNC	CCGGTCTTCG	GCTGCGGNGA	ACGGTTCACT	CCTCAAAGGC	780
GGTNTNCCGG	TTATCCCCAA	ACNGGGGATA	CCCNGA	200	. <u>.</u>	816

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#### (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 773 base pairs
  - (B) TYPE: nucleic acid and and
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CTTTTGAAAG AAGGGATGGC TGGGGTGTTT AACAGCAGAG GTGCAGGGCG GGGGCTCACG
TCCTGCTCCT CACTGGTGAT AAACGAGCCC CGTTCCTTGT TGTGATCATG ATGAACAACC

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TCCTCAAAAG	TCAGAACCGG	AGTCACACAG	GCATCTGTGC	CGTCAAAGAT	TTGACACCAC	` 180
TCTGCCTTCG	TCTTCTTTGC	AAATACATCT	GCAAACTTCT	TCTTCATTTC	TGGCCAATCA	240
TCCATGCTCA	TCTGATTGGG	AAGTTCATCA	GACTTTAGTC	CANNTCCTTT	GATCAGCÁGC	300
TCGTAGAACT	GGGGTTCTAT	TGCTCCAACA	GCCATGAATT	CCCCATCTGC	TGTCCTGTAA	360
GTCGTATAGA	AAGGTGCTCC	ACCATCCAAC	ATGTTCTGTC	CTCGAGGGG	GGCCCGGTAC	420
CCAATTCGCC	CTATANTGAG	TCGTATTACG	CGCGCTCACT	GGCCGTCGTT	TTACAACGTC	480
GTGACTGGGA	AAACCCTGGG	CGTTACCAAC	TTAATCGCCT	TGCAGCACAT	CCCCCTTTCG	540
CCAGCTGGGC	GTAATANCGA	AAAGGCCCGC	ACCGATCGCC	CTTCCAACAG	TTGCGCACCT	600
GAATGGGNAA	ATGGGACCCC	CCTGTTACCG	CGCATTNAAC	CCCCGCNGGG	TTTNGTTGTT	660
ACCCCCACNT	NNACCGCTTA	CACTTTGCCA	GCGCCTTANC	GCCCGCTCCC	TTTCNCCTTT	720
CTTCCCTTCC	TTTCNCNCCN	CTTTCCCCCG	GGGTTTCCCC	CNTCAAACCC	CNA	773
			: 6 . 1 .		, , , , , , , , , , , , , , , , , , , ,	
(2) INFORM	ATION FOR SI	EQ ID NO:4:				
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#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 828 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

				4			-	
					CCAGGGCTGC		· ., · .	60
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	TCGGAACACT	GGCTGTCTCT	GAAGACTTCT	CGCTCAGTTT	CAGTGAGGAC	ACACACAAAG		180
	ACGTGGGTGA	CCATGTTGTT	TGTGGGGTGC	'AGAGATGGGA	GGGGTGGGC	CCACCCTGGA	٠.	240
	AGAGTGGACA	GTGACACAAG	GTGGACACTC	TCTACAGATC	ACTGAGGATA	AGCTGGAGCC	,	300
	ACAATGCATG	AGGCACACAC	ACAGCAAGGA	TGACNCTGTA	AACATAGCCC	ACGCTGTCCT		360
	GNGGGCACTG	GGAAGCCTAN	ATNAGGCCGT	GAGCANAAAG	AAGGGGAGGA	TCCACTAGTT		420
	CTANAGCGGC	CGCCACCGCG	GTGGANCTCC	ANCTTTTGTT	CCCTTTAGTG	AGGGTTAATT		480
	GCGCGCTTGG	CNTAATCATG	GTCATANCTN	TTTCCTGTGT	GAAATTGTTA	TCCGCTCACA		540
•	ATTCCACACA	ACATACGANC	CGGAAACATA	AANTGTAAAC	CTGGGGTGCC	TAATGANTGA		600
	CTAACTCACA	TTAATTGCGT	TGCGCTCACT	GCCCGCTTTC	CAATCNGGAA	ACCTGTCTTG		660
	CCNCTTGCAT	TNATGAATCN	GCCAACCCCC	GGGGAAAAGC	GTTTGCGTTT	TGGGCGCTCT		720
	TCCGCTTCCT	CNCTCANTTA	NTCCCTNCNC	TCGGTCATTC	CGGCTGCNGC	AAACCGGTTC	- 1	780
	ACCNCCTCCA	AAGGGGGTAT	TCCGGTTTCC	CCNAATCCGG	GGANANCC			828

#### (2) INFORMATION FOR SEQ ID NO:5:

# (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 834 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: cDNA

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

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AGTTTTAATT	GCATCCAAAG	TACTAACAAA	<b>AACTCTAGCA</b>	ATCAAGAATG	GCAGCATGTT	1	.20
ATTTTATAAC	AATCAACACC	TGTGGCTTTT	AAAATTTGGT	TTTCATAAGA	TAATTTATAC	. 1	80
TGAAGTAAAT	CTAGCCATGC	TTTTAAAAAA	TGCTTTAGGT	CACTCCAAGC	TTGGCAGTTA	2	40

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ACATTTGGCA TAAACAATAA TAAAACAATC ACAATTTAAT AAATAACAAA TACAACATTG	\250
TAGGCCATAA TCATATACAG TATAAGGAAA AGGTGGTAGT GTTGAGTAAG CAGTTATTAG	300
AATAGAATAC CTTGGCCTCT ATGCAAATAT GTCTAGACAC TTTGATTCAC TCAGCCCTGA	-360
CATTCAGTTT TCAAAGTAGG AGACAGGTTC TACAGTATCA TTTTTACAGTT TCCAACACAT	420
TGAAAACAAG TAGAAAATGA TGAGTTGATT TTTATTAATG CATTACATCC TCAAGAGTTA	480
TCACCAACCC CTCAGTTATA AAAAATTTTC AAGTTATATT AGTCATATAA CTTGGTGTGC	540
TTATTTTAAA TTAGTGCTAA ATGGATTAAG TGAAGACAAC AATGGTCCCC TAATGTGATT	600
GATATTGGTC ATTTTTACCA GCTTCTAAAT CTNAACTTTC AGGCTTTTGA ACTGGAACAT	660
TGNATNACAG TGTTCCANAG TTNCAACCTA CTGGAACAT ACAGTGTGCT TGATTCAAAA	. 720
TGTTATTTTG TTAAAAATTA AATTTTAACC TGGTGGAAAA ATAATTTGAA ATNA	
THE CONTROL TO THE ATTACK AT A TIME TO THE ATTACK AT A	834
(2) INFORMATION FOR SEQ ID NO:6:	*. * * * * * * * * * * * * * * * * * *
(i) SEQUENCE CHARACTERISTICS:	• 😩 • •
(A) LENGTH: 818 base pairs	
(B) TYPE: pucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: 1 trear	
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(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	•
TTTTTTTTT TTTTTTTT AAGACCCTCA TCAATAGATG GAGACATACA GAAATAGTCA	
AACCACATCT ACAAAATGCC AGTATCAGGC GGCGGCTTCG AAGCCAAAGT GATGTTTGGA	
TGTAAAGTGA AATATTAGTT GGCGGATGAA GCAGATAGTG AGGAAAGTTG AGCCAATAAT.	120
GACGTGAAGT CCGTGGAAGC CTGTGGCTAC AAAAAATGTT GAGCCGTAGA TGCCGTCGGA	, 180
AATGGTGAAG GGAGACTCGA AGTACTCTGA GGCTTGTAGG AGGGTAAAAT AGAGACCCAG	240
TAAAATIGTA ATAAGCAGTG CTTGAATTAT TTGGTTTTCGG TTGTTTTCTA TTAGACTATG	√3 <u>00</u>
GTGAGCTCAG GTGATTGATA CTCCTGATGC GAGTAATACG GATGTGTTTA GGAGTGGGAC	, 360
TICTAGGGGA TITAGCGGGG TGATGCCTGT TGGGGGCCAG TGCCCTCCTA GTTGGGGGGT	y = g - <b>420</b>
AGGGGCTAGG CTGGAGTGGT AAAAGGCTCA GAAAAATCCT GCGAAGAAAA AAACTTCTGA	480
GGTAATAAAT AGGATTATCC CGTATCGAAG GCCTTTTTGG ACAGGTGGTG TGTGGTGGCC	540
TTGGTATGTG CTTTCTCGTG TTACATCGCG CCATCATTGG TATATGGTTA GTGTGTTGGG	600
TTANTANGGC CTANTATGAA GAACTTTTGG ANTGGAATTA AATCAATNGC TTGGCCGGAA	660
GTCATTANGA NGGCTNAAAA GGCCCTGTTA NGGGTCTGGG CTNGGTTTTA CCCNACCCAT	720
GGAATNCNCC CCCCGGACNA NTGNATCCCT ATTCTTAA	780
The state of the s	818
(2) INFORMATION FOR SEQ ID NO:7:	·
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 817 base pairs	
(B) TYPE: nucleic acid	
(C) CORRESPONDENCE	
(D) TOPOLOGY: linear	
(ii) MOLDGIE BURD DES SEE SEE SEE SEE SEE SEE SEE SEE SE	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
TTTTTTTTT TTTTTTTTT TGGCTCTAGA GGGGGTAGAG GGGGTGCTAT AGGGTAAATA	60
CGGGCCCTAT TTCAAAGATT TTTAGGGGAA TTAATTCTAG GACGATGGGT ATGAAAGTCT	120
GGTTTGCTCC ACAGATTTCA GAGCATTGAC CGTAGTATAC CCCCGGTCGT GTAGCGGTGA	180

AAGTGGTTTG GTTTAGACGT CCGGGAATTG CATCTGTTTT TAAGCCTAAT GTGGGGACAG

CTCATGAGTG CAAGACGTCT TGTGATGTAA TTATTATACN AATGGGGGCT TCAATCGGGA

	•
GTACTACTCG: ATTGTCAACG TCAAGGAGTC GCAGGTCGCC	TGGTTCTAGG AATAATGGGG 360
GAAGTATGTA GGAATTGAAG ATTAATCCGC CGTAGTCGGT	GTTCTCCTAG GTTCAATACC 420
ATTGGTGGCC AATTGATTTG ATGGTAAGGG GAGGGATCGT	
AGGATNCCTT NGGGATGGGA AGGCNATNAA GGACTANGGA	
TCAAACUGTC TCTANTTCCT GAAACGTCTG AAATGTTAAT	AANAATTAAN TTTNGTTATT 600
GAATNTING GAAAAGGGCT TACAGGACTA GAAACCAAAT	ANGAAAANTA ATNNTAANGG 660
CNTTATCNTN AAAGGTNATA ACCNCTCCTA TNATCCCACC	
ACNATTGGAT NCCCCANTTC CANAAANGGC CNCCCCCCGG	
CTTNANTGAN GGTTATTCNC CCCTNGCNTT ATCANCC	817
CITNANIGAN GGITATIONE CECINGENTI ATCANCE	Service of the servic
(2) INFORMATION FOR SEQ ID NO:8:	•
(2) INFORMATION FOR SEQ 1D NO. 8.	and the second s
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 799 base pairs	
(b) IIII. MacIole at-	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
· · · · · · · · · · · · · · · · · · ·	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
the state of the s	
CATTTCCGGG TTTACTTTCT AAGGAAAGCC GAGCGGAAGC	
CATAAGGAGA ACTITCTGCT GGCACGCGCT AGGGACAAGC	GGGAGAGCGA CTCCGAGCGT 120
CTGAAGCGCA, CGTCCCAGAA; GGTGGACTTG: GCACTGAAAC	: AGCTGGGACA CATCCGCGAG 180
TACGAACAGC GCCTGAAAGT GCTGGAGCGG GAGGTCCAGC	AGTGTAGCCG CGTCCTGGGG 240
TGGGTGGCCG ANGCCTGANC CGCTCTGCCT TGCTGCCCCC	
ACCTGCCTGG GTCCAAACAC TGAGCCCTGC TGGCGGACTT	
GGATTTTGCT CCTANANTAA GGCTCATCTG GGCCTCGGCC	
TCTTTGANGT GAGCCCCATG TCCATCTGGG CCACTGTCNG	
CTCCTTACAA CCACANNATG CCCGGCTCCT CCCGGAAACC	ANTCCCANCC TGNGAAGGAT 540
CAAGNCCTGN ATCCACTNNT NCTANAACCG GCCNCCNCCG	CNGTGGAACC CNCCTTNTGT 600
TCCTTTCNT TNAGGGTTAA TNNCGCCTTG GCCTTNCCAN	
GTTNAAATTG TTANGCNCCC NCCNNTCCCN CNNCNNCNAN	
NCCTGGGGGT NCCNNCNGAT TGACCCNNCC NCCCTNTANT	T TGCNTTNGGG NNCNNTGCCC 780
CTTTCCCTCT NGGGANNCG	799
(2) INFORMATION FOR SEQ ID NO:9:	•
	and the second of the second o
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 801 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(b) 10F0B0G1: IIIIcal	The second of the State of the second of the
(ii) MOLECULE TYPE: cDNA	
(11) MOLECULE TYPE: CDNA	The state of the state of the
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9	
A STATE OF THE STA	
ACGCCTTGAT CCTCCCAGGC TGGGACTGGT TCTGGGAGG	A GCCGGGCATG CTGTGGTTTG 60 A GATGGACATG GGGCTCACCT 120
TAANGATGAC ACTCCCAAAG GTGGTCCTGA CAGTGGCCCC	A GATGGACATG GGGCTCACGT 120
CAAGGACAAG GCCACCAGGT GCGGGGGCCG AAGCCCACA	T GATCCTTACT CTATGAGCAA 180
AATCCCCTGT GGGGGCTTCT CCTTGAAGTC CGCCANCAG	G GCTCAGTCTT TGGACCCANG 240
CAGGTCATGG GGTTGTNGNC CAACTGGGGG CCNCAACGC	A AAANGGCNCA GGGCCTCNGN 300

CACCCATCCC ANGACGCGGC TACACTNCTG GACCTCCCNC TCCACCACTT TCATGCGCTG

TTCNTACCCG CGNATNTGTC CCANCTGTTT CNGTGCCNAC TCCANCTTCT NGGACGTGCG	420
CTACATACGC CCGGANTGNC NCTCCCGCTT TGTCCCTATC CACGTNCCAN CAACAAATTT	480
CNCCNTANTG CACCNATTCC CACNTTINNC AGNTTTCCNC 'NNCGNGCTTC' CTTNTAAAAG	540
GGTTGANCCC CGGAAAATNC CCCAAAGGGG GGGGGCCNGG TACCCAACTN CCCCCCTNATA	_
GCTGAANTCC CCATNACCNN GNCTCNATGG ANCCNTCCNT TTTAANNACN TTCTNAACTT	600
GGGAANANCC CTCGNCCNTN CCCCCNTTAA TCCCNCGTTG CNANGNNCNT CCCCCNNTCC	660
NCCCNNTTNG GCNTNTNANN CNAAAAAGGC CCNNNANCAA TCTCCTNNCN CCTCANTTCG	720
CCANCCOMOC ANAMOCOCOMY C	780
174 TO THE STORY	· 301
(2) INFORMATION FOR SEQ ID NO:10:	
(2) INFORMATION FOR SEQ ID NO:10:	
(i) SEQUENCE CHARACTERISTICS:	1
(A) LENGTH: 789 base pairs (A)	
(B) TYPE: nucleic acid exact section of the contract of the co	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
18. A second of the second of	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
CAGTCTATNT GGCCAGTGTG GCAGCTTTCC CTGTGGCTGC CGGTGCCACA TGCCTGTCCC	60
ACAGTGTGGC CGTGGTGACA GCTTCAGCCG CCCTCACCGG GTTCACCTTC TCAGCCCTGC	120
AGATCCTGCC CTACACACTG GCCTCCCTCT ACCACCGGGA GAAGCAGGTG TTCCTGCCCA	180
AATACCGAGG GGACACTGGA GGTGCTAGCA GTGAGGACAG CCTGATGACC AGCTTCCTGC	240
CAGGCCCTAA GCCTGGAGCT CCCTTCCCTA ATGGACACGT GGGTGCTGGA GGCAGTGGCC	4300
TGCTCCCACC TCCACCCGCG CTCTGCGGGG CCTCTGCCTG TGATGTCTCC GTACGTGTGG	360
TGGTGGGTGA GCCCACCGAN GCCAGGGTGG TTCCGGGCCG GGGCATCTGC CTGGACCTCG	420
CCATCCTGGA TAGTGCTTCC: TGCTGTCCCA NGTGGCCCCA TCCCTGTTTA TGGGCTCCAT	480
TGTCCAGCTC AGCCAGTCTG TCACTGCCTA TATGGTGTCT GCCGCAGGCC TGGGTCTGGT.	540
CCCATTTACT TTGCTACACA GGTANTATTT GACAAGAACG ANTTGGCCAA ATACTCAGCG	600
TTAAAAATT CCAGCAACAT TGGGGGTGGA AGGCCTGCCT CACTGGGTCC AACTCCCCGC	660
TCCTGTTAAC CCCATGGGGC TGCCGGCTTG GCCGCCAATT TCTGTTGCTG CCAAANTNAT	720
GTGGCTCTCT GCTGCCACCT GTTGCTGGCT GAAGTGCNTA CNGCNCANCT NGGGGGGTNG	780
GGNGTTCCC ACCUSATION OF THE PROPERTY OF THE PR	
in the second of	
(2) INFORMATION FOR SEQ ID NO:11:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 772 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
A CONTROL OF THE PROPERTY OF T	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
Will absorbed baserification. SEQ ID NO:11:	
CCCACCCTAC CCAAATATTA GACACCAACA CAGAAAAGCT AGCAATGGAT TCCCTTCTAC	
TTTGTTAAAT AAATAAGTTA AATATTTAAA MAGAAAAGGT AGCAATGGAT TCCCTTCTAC	60
TTTGTTAAAT AAATAAGTTA AATATTTAAA TGCCTGTGTC TCTGTGATGG CAACAGAAGG	120
ACCAACAGGC CACATCCTGA TAAAAGGTAA GAGGGGGGTG GATCAGCAAA AAGACAGTGC	180
TGTGGGCTGA GGGGACCTGG TTCTTGTGTG TTGCCCCTCA GGACTCTTCC CCTACAAATA	240
ACTITCATAT GITCAAATCC CATGGAGGAG TGTTTCATCC TAGAAACTCC CATGCAAGAG	300
CTACATTAAA CGAAGCTGCA GGTTAAGGGG CTTANAGATG GGAAACCAGG TGACTGAGTT	360 .
TATTCAGCTC CCAAAAACCC TTCTCTAGGT GTGTCTCAAC TAGGAGGCTA GCTGTTAACC	420

CTGAGCCTGG GTAATCCACC TGCAGAGTCC C	CGCATTCCA	GTGCATGGAA	CCCTTCTGGC	480
CTCCCTGTAT AAGTCCAGAC TGAAACCCCC T				540
AACTGGGGAA AAAAGAAAAG GACGCCCCAN C				600
GCACAGGTG GCAGCAAAAA AACCACTTTA C				660
ACCCCGGCAC CCCNANGGGG GTTAACAGGA A				720
GGCCCNCCAC CCCNAATNTT GCTGGGAAAT T				772
GGCCCNCCAC CCCNAAINII GCIGGGAAAI I		Jana Mara	1	
(2) INFORMATION FOR SEQ ID NO:12:			-0.1	•
(2) INFORMATION FOR SEQ ID NO.12.				
(i) SEQUENCE CHARACTERISTICS:				•
(A) LENGTH: 751 base pai			•	
	IS			
(B) TYPE: nucleic acid		,	1711	
(C) STRANDEDNESS: single	1			
(D) TOPOLOGY: linear				
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
(ii) MOLECULE TYPE: cDNA				
James Committee of the				•
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:12:			
\$ 155 Min 4 1 1 4 4 4 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6				
GCCCCAATTC CAGCTGCCAC ACCACCCACG G				60
AGCTGATTGA AGCAACCCTC TACTTTTTGG T				120
TTGGCTGTGT TGGTGACGTT GTCATTGCAA C				180
AAGTANGGTG AGTCCTCAAA ATCCGTATAG T				240
ATGGTGGTGT TCCACACTTG AGTGAAGTCT T				300
GGCACTACCA GCAACGTCAG GGAAGTGCTC A				360
AGCAGCTGCN ACCTCAGCAA TGAAGATGAN G	AGGANGATG	AAGAAGAACG	TCNCGAGGGC	420
ACACTTGCTC TCAGTCTTAN CACCATANCA G	CCCNTGAAA	ACCAANANCA	AAGACCACNA	480
CNCCGGCTGC GATGAAGAAA TNACCCCNCG T	TGACAAACT	TGCATGGCAC	TGGGANCCAC	540
AGTGGCCCNA AAAATCTTCA AAAAGGATGC C				600
CCAACAGGGG CTGCCCCACN CNCNNAACGA T				660
TNATNAACNT GAACCCTGCN TNGTGGCTCC T				720
AANGAACTCN GAAGNCCCCA CNGGANANNC G				751
(2) INFORMATION FOR SEQ ID NO:13:				
(2) 1110141111011 1011 112			•	
(i) SEQUENCE CHARACTERISTICS:			•	
(A) LENGTH: 729 base pai				
(B) TYPE: nucleic acid	,			
(C) STRANDEDNESS: single		-		
(D) TOPOLOGY: linear	••	1.1		
(b) Topollogi. Timear				
(ii) MOLECULE TYPE: cDNA At 11		1. 63		• •
(II) MOLECOLE IIPE: CDNA				
(xi) SEQUENCE DESCRIPTION: SEQ				
(X1) SEQUENCE DESCRIPTION: SEQ	2 ID NO.13		erikan ek bili ja kal	· ·
GAGCCAGGCG TCCCTCTGCC TGCCCACTCA	מתכוכוכוא'א כוא כי	CCCCCAACCT	<b>സസസ്സവാസ</b> വാസ	60
GAGCUAGGUG TUCUTUTGUC TGUUCACTUA G	TOOCAACAC	TOUROUS A A CANACOCTO	TITIGICCIT	
TGTGGANCCT CAGCAGTNCC CTCTTTCAGA	ACTUANTOCC	MAGANCCCTG	AACAGGAGCC	120
ACCATGCAGT GCTTCAGCTT CATTAAGACC	ATGATGATCC	TCTTCAATTT	GCICATUTT	100
CTGTGTGGTG CAGCCCTGTT GGCAGTGGGC	ATCTGGGTGT	CAATCGATGG	GGCATCCTTT	240
CTGAAGATCT TCGGGCCACT GTCGTCCAGT				
CTCATCGCAG CCGGCGTTGT GGTCTTAGCT C				
ACTGAGAGCA AGTGTGCCCT CGTGACGTTC T				
GAGGTTGCAA TGCTGTGGTC GCCTTGGTGT A				480
TGCTGGTAAT GCCTGCCATC AANAAAAGAT T	PATGGGTTCC	CAGGAANACT	TCACTCAAGT	540

GTTGGAACAC CACCATGAAA GGGCTCAAGT GCTGTGGCTT CNNCCAACTA TACGGATTTT

SAAGANTCAC CTACTTCAAA GAAAANAGTG CCTTTCCCCC ATTTCTGTTG CAATTGACAA	
ACGTCCCCAA CACAGCCAAT TGAAAACCTG CACCCAACCC ALANGGGTCC CCAACCANAA	
ATTNAAGGG CONTRACT OF THE STATE	
and the company of the first of the company of the control of the	729
(2) INFORMATION FOR SEQ ID NO:14:	• (1)
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 816 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(F) ISTOLOGI. IIIICAI	
(ii) MOLECULE TYPE: cDNA	
THE COMP	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
·	
TGCTCTTCCT CAAAGTTCTT CTTCTTCCCA MAAGAAGAAGAA	
TGCTCTCCT CAAAGTTGTT CTTGTTGCCA TAACAACCAC CATAGGTAAA GCGGGCGCAG	60
TGTTCGCTGA AGGGGTTGTA GTACCAGCGC GGGATGCTCT CCTTGCAGAG TCCTGTGTCT	120
GGCAGGTCCA CGCAGTGCCC TTTGTCACTG GGGAAATGGA TGCGCTGGAG CTCGTCAAAG	180
CCACTCGTGT ATTTTTCACA GGCAGCCTCG TCCGACGCGT CGGGGCAGTT GGGGGTGTCT	240
TCACACTCCA GGAAACTGTC NATGCAGCAG CCATTGCTGC AGCGGAACTG GGTGGGCTGA	300
CANGTGCCAG AGCACACTGG ATGGCGCCTT TCCATGNNAN GGGCCCTGNG GGAAAGTCCC	360
TGANCCCCAN ANCTGCCTCT CAAANGCCCC ACCTTGCACA CCCCGACAGG CTAGAATGGA	420
ATCTTCTTCC CGAAAGGTAG TTNTTCTTGT TGCCCAANCC ANCCCCNTAA ACAAACTCTT	480
GCANATCTGC TCCGNGGGGG TCNTANTACC ANCGTGGGAA AAGAACCCCA GGCNGCGAAC	540
CAANCTTGTT TGGATNCGAA GCNATAATCT NCTNTTCTGC TTGGTGGACA GCACCANTNA	600
CTGTNNANCT TTAGNCCNTG GTCCTCNTGG GTTGNNCTTG AACCTAATCN CCNNTCAACT	660
GGGACAAGGT AANTNGCCNT CCTTTNAATT CCCNANGNIN CCCCCTGGTT TGGGGTTTTN	720
CNCNCTCCTA CCCCAGAAAN NCCGTGTTCC CCCCCAACTA GGGGCCNAAA CCNNTTNTTC	780
CACAACCCTN CCCCACCCAC GGGTTCNGNT: GGTTNG	816
(2) INFORMATION FOR SEQ ID NO:15:	
THE OWNER FOR SEQ ID NO:15:	1.2.4
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 783 base pairs	
(R) TYPE: muclois and	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(11) MODECOLE TIPE: CUNA	
(Yi) SPOIDNCE DECORTORION OF THE	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:	
CCAACCCCTC CCCACCCAMA MACTICA AGE	
CCAAGGCCTG GGCAGGCATA NACTTGAAGG TACAACCCCA GGAACCCCTG GTGCTGAAGG	60
ATGTGGAAAA CACAGATTGG CGCCTACTGC GGGGTGACAC GGATGTCAGG GTAGAGAGGA	120
AAGACCCAAA CCAGGTGGAA CTGTGGGGAC TCAAGGAANG CACCTACCTG TTCCACCTCA.	180
CAGACIAG CICAGACCAC CCAGAGGACA CGGCCAACGT CACAGTCACT GTGCTTCTTCCA	240
CCAAGCAGAC AGAAGACTAC TGCCTCGCAT CCAACAANGT GGGTCGCTGC CCCCCCCTCTT	300
TECCHCOCIG GIACIATGAC CCCACGGAGC AGATCTGCAA GAGTTTCGTT TATGCACGGT	3.60
CARGARCARC TACCTICGGG AAGAAGAGTG CATTCTANCC TCTCNCCCTC	420
TOCARGOIGG GCCITIGANA NGCANCICIG GGGCTCANGC GACTTTCCCC CACCCCCCC	480
CCATGGAAAG GCGCCATCCA NTGTTCTCTG GCACCTGTCA GCCCACCCAC TTTCCCCAC	540
MCAATGGCIG CIGCATCNAC ANTITCCING AATIGTGACA ACACCCCCCA NITCCCCCAA	600 540
DOTTECHAE AAAGCTICCC TGTINAAAAA TACNCCANTT GGCTTTTNAC AAACNICCCCC	660 660
CHCCTCCNTT TTCCCCNNTN AACAAACCCC NOTNCCNIMMI CAACMACCO	200 ·

TCTNCCNNGG AAAAANTNCC CCCCCTGGTT CCTNNAANCC	CCTCCNCNAA	ANCTNCCCCC	780
ccc			783
(2) INFORMATION FOR SEQ ID NO:16:			
(i) SEQUENCE CHARACTERISTICS:	·		
(A) LENGTH: 801 base pairs			
(B) TYPE: nucleic acid			- '
(C) STRANDEDNESS: single			
· ·		4	
(D) TOPOLOGY: linear		. •	
(ii) MOLECULE TYPE: cDNA			•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16	: . :		San
GCCCCAATTC CAGCTGCCAC ACCACCCACG GTGACTGCAT	TAGTTCGGAT	GTCATACAAA	60
AGCTGATTGA AGCAACCCTC TACTTTTTGG TCGTGAGCCT			
TTGGCTGTGT TGGTGACGTT GTCATTGCAA CAGAATGGGG			
AAGTAGGGTG AGTCCTCAAA ATCCGTATAG TTGGTGAAGC			240
ATGGTGGTGT TCCACACTTG AGTGAAGTCT TCCTGGGAAC			300
GCACTACCA GCAACGTCAG GAAGTGCTCA GCCATTGTGG			360
GCAGCTGCAA CCTCAGCAAT GAAGATGAGG AGGAGGATGA CACTTGCTCT CCGTCTTAGC ACCATAGCAG CCCANGAAAC	AGAAGAACGI	CNCGAGGGCA	480
CACTTGCTCT CCGTCTTAGC ACCATAGCAG CCCANGAAAC CCNGCTGCGA ATGAAAGAAA NTACCCACGT TGACAAACTG	CAAGAGCAAA	CCACCACACC	
TGGCCGAAN ATCTTCAGAA AAGGGATGCC CCATCGATTG	CATGGCCACI	TOCOCOACAGI	600
			660
CNACAGGGCT GCNCCNCNCN GAAAGAATGA GCCA'TTGAAG TGAACTGAAA CCNTGCATGG TGGCCCCTGT TCAGGGCTCT	- AAGGAICNIC	THEOTOTANA	
TGAACTGAAA CCNTGCATGG TGGCCCCTGT TCAGGGCTCT AAGGAACNGC NTNAGCCCCC CCAAANGANA AAACACCCCC	1GGCAGIGAA	OTTO A TOTOCO	780
	GGGTGTTGCC	CIGAATIGGC	801
GGCCAAGGAN CCCTGCCCCN G	•		
(2) INFORMATION FOR SEQ ID NO:17:			
(i) SEQUENCE CHARACTERISTICS:	The Control of the Co		
(A) LENGTH: 740 base pairs			
(B) TYPE: nucleic acid	The Artist Control		-
(C) STRANDEDNESS: single	. •		-
(D) TOPOLOGY: linear	. 1	•	
(ii) MOLECULE TYPE: cDNA	r		: :
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17	•		18 4 4 5
The second of th	P		
GTGAGAGCCA GGCGTCCCTC TGCCTGCCCA CTCAGTGGCA	ACACCCGGGA	GCTGTTTTGT	
CCTTTGTGGA GCCTCAGCAG TTCCCTCTTT CAGAACTCAC	TGCCAAGAGC	CCTGAACAGG	120
AGCCACCATG CAGTGCTTCA GCTTCATTAA GACCATGATG	ATCCTCTTCA	ATTTGCTCAT	180
CTTTCTGTGT GGTGCAGCCC TGTTGGCAGT GGGCATCTGG	GTGTCAATCG	ATGGGGCATC	240
CTTTCTGAAG ATCTTCGGGC CACTGTCGTC CAGTGCCATG			300
CTTCCTCATC GCAGCCGGCG TTGTGGTCTT TGCTCTTGGT			
TAAGACGGAG AGCAAGTGTG CCCTCGTGAC GTTCTTCTTC			420
TGCTGAAGTT GCAGCTGCTG TGGTCGCCTT GGTGTACACC			480
GACGTTGCTG GTANTGCCTG CCATCAANAA AGATTATGGG			
AANTNTGGAA, CACCNCCATG AAAAGGGCTC CAATTTCTGN			600
GAATTITGAA AGANTCNCCC TACTTCCAAA AAAAAANANI			660
TGCAATGAAA ACNTCCCAAN ACNGCCAATN AAAACCTGCC			
TGCAATGAAA ACNTCCCAAN ACNGCCAATN AAAACCTGCC	CNNNCAAAAA		720

#### (2) INFORMATION FOR SEQ ID NO:18:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 802 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

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CCGCTGGTTG CGCTGGTCCA GNGNAGCCAC GAAGCACGTC AGCATACACA GCCTCAATCA 60
CAAGGTCTTC CAGCTGCCGC ACATTACGCA GGGCAAGAGC CTCCAGCAAC ACTGCATATG 120
GGATACACTT TACTTTAGCA GCCAGGGTGA CAACTGAGAG GTGTCGAAGC TTATTCTTCT 180
GAGCCTCTGT TAGTGGAGGA AGATTCCGGG CTTCAGCTAA GTAGTCAGCG TATGTCCCAT 240
AAGCAAACAC TGTGAGCAGC CGGAAGGTAG AGGCAAAGTC ACTCTCAGCC AGCTCTCTAA 100300
CATTGGGCAT GTCCAGCAGT TCTCCAAACA CGTAGACACC AGNGGCCTCC AGCACCTGAT 4360
GGATGAGTGT GGCCAGCGCT GCCCCCTTGG CCGACTTGGC TAGGAGCAGATAATTGCTCCT 420
GGTTCTGCCC TGTCACCTTC ACTTCCGCAC TCATCACTGC ACTGAGTGTG GGGGACTTGG 480
GCTCAGGATG TCCAGAGACG TGGTTCCGCC CCCTCNCTTA ATGACACCGN CCANNCAACC 540
GTCGGCTCCC GCCGANTGNG TTCGTCGTNC CTGGGTCAGG GTCTGCTGGC CNCTACTTGC 600
AANCTTCGTC NGGCCCATGG AATTCACCNC ACCGGAACTN GTANGATCCA CTNNTTCTAT 660
AACCGGNCGC CACCGCNNNT GGAACTCCAC TCTTNTTNCC TTTACTTGAG GGTTAAGGTC 720
ACCCTTNNCG TTACCTTGGT CCAAACCNTN CCNTGTGTCG ANATNGTNAA TCNGGNCCNA 780
THECANCENE ATANGAAGEC NG TO ALL THE REST OF A STATE OF
(2) INFORMATION FOR SEO ID NO.19.

#### (2) INFORMATION FOR SEQ ID NO:19:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 731 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

CNAAGCTTCC AGGTNACGGG CCGCNAANCC TGACCCNAGG TANCANAANG CAGNCNGCGG 60	O
GAGCCCACCG TCACGNGGNG GNGTCTTTAT NGGAGGGGGC GGAGCCACAT CNCTGGACNT 120	o
CNTGACCCCA ACTCCCCNCC NCNCANTGCA GTGATGAGTG CAGAACTGAA GGTNACGTGG 186	<b>o</b> .
CAGGAACCAA GANCAAANNC TGCTCCNNTC CAAGTCGGCN NAGGGGGGCGG GGCTGGCCAC 246	o.
GCNCATCCNT CNAGTGCTGN AAAGCCCCNN CCTGTCTACT TGTTTGGAGA ACNGCNNNGA 300	- 0
CATGCCCAGN GTTANATAAC NGGCNGAGAG TNANTTTGCC TCTCCCTTCC GGCTGCGCAN 360	).
CGNGTNTGCT TAGNGGACAT AACCTGACTA CTTAACTGAA CCCNNGAATC TNCCNCCCCT 420	).
CCACTAAGCT CAGAACAAAA AACTTCGACA CCACTCANTT GTCACCTGNC TGCTCAAGTA 480	_
AAGTGTACCC CATNCCCAAT GINTGCINGA NGCTCIGNCC TGCNTTANGT TCGGTCCTGG 540	-
GAAGACCTAT CAATTNAAGC TATGTTTCTG ACTGCCTCTT GCTCCCTGNA ACAANCNACC 600	_
CNNCNNTCCA AGGGGGGGNC GGCCCCCAAT CCCCCCAACC NTNAATTNAN TTTANCCCCN 660	
CCCCCNGGCC CGGCCTTTTA CNANCNTCNN NNACNGGGNA AAACCNNNGC TTTNCCCAAC 720	•
NNAATCCNCC T	
131	-

<sup>(2)</sup> INFORMATION FOR SEQ ID NO:20:

•	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 754 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	A Commence of the Commence of
(D) TOPOLOGY: linear	
(D) TOPOROGI: Timear	
(!!) NOT HOWEN WARD -PAIR	
(ii) MOLECULE TYPE: cDNA	
And the state of t	
(xi) SEQUENCE DESCRIPTION: SEQ ID	HO.20
<ul> <li>A substitution of the control of the c</li></ul>	a menia a menia a a competición de la ammento
TTTTTTTTT TAAAAACCCC CTCC	ATTNAA TGNAAACTTC CGAAATTGTC 60
CAACCCCCTC NTCCAAATNN CCNTTTCCGG GNGG	GGGTTC CAAACCCAAN TTANNTTTGG 120
ANNTTAAATT, AAATNTTNNT TGGNGGNNNA ANCC	NAATGT NANGAAAGTT NAACCCANTA 180
TNANCTTNAA TNCCTGGAAA CCNGTNGNTT CCAA	
AAATNGTTNA NGGAAAACCC AANTTCTCNT AAGG	
NNCCAATTGT TTTTIIGCCAC GCCTGAATTA ATTG	GNTTCC GNTGTTTTCC NTTAAAANAA 360
GGNNANCCCC GGTTANTNAA TCCCCCCNNC CCCA	
GANCCCNCGG GAATTAACGG GGNNNNTCCC TNTT	
GGTTNGGGNC AGGNCNNAAT TGTTTAAGGG TCCG	
CCAGGNTGAG NNTNGGGTTT NCCCCCCCC CANG	
GGGGCCTGGG ATTTTNTTTC CCCTNTTNCC TCCC	CCCCCC CCNGGGANAG AGGTTNGNGT 660
TTTGNTCNNC GGCCCCNCCN AAGANCTTTN CCGA	NTTNAN TTAAATCCNT GCCTNGGCGA 720
AGTCCNTTGN AGGGNTAAAN GGCCCCCTNN CGGG	754
	1997年,我们来一样,但1997年2000年的第二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十
(2) INFORMATION FOR SEQ ID NO:21:	
	o ki ma valle (1994 – 1920) 1920 (1920 – 1924 – 1924
(i) SEQUENCE CHARACTERISTICS:	Albert Print Control of the Control
(A) LENGTH: 755 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
,_, ,	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID	
ATCANCCCAT GACCCCNAAC NNGGGACCNC TCAN	
NNGTNAGNNC ACTNCNNTTN NATCACNCCC CNCC	
NNGINAGNNC ACTIONNTIN MATCACHOCC CHCC	
CCAGCTGTCC NANAANGCCT NNNATACNGG NNNA	
NNCNNCANAT GATTTTCCTN, ANCCGATTAC CCNT	
CGAAGGCNCT GGNCCNAAGG NNGCGNCNCC CCGC	
AACTCANCCH NATTACNCGC TTCNTGAGTA TCAC	
AACTCANCCN NATTACNCGC TICNIGAGIA TCAC AAAAANATCN GATACAAAAT AATNCAAGCC TGNI	
- AAAANATUN GATACAAAAT! AATNCAAGCC IGNI	INTINAC ACTIVIDACIO GGICICIALI 400

TTAGNGGTCC NTNAANCNTC CTAATACTTC CAGTCTNCCT TCNCCAATTT CCNAANGGCT CTTTCNGACA GCATNTTTTG. GTTCCCNNTT GGGTTCTTAN NGAATTGCCC TTCNTNGAAC 600

GGGCTCNTCT TTTCCTTCGG TTANCCTGGN TTCNNCCGGC CAGTTATTAT TTCCCNTTTT ARATTCHING CHITTANTIT TGGCHTCHA AACCCCCGGC CTTGAAAACG GCCCCCTGGT

#### (2) INFORMATION FOR SEQ ID NO:22:

(i) SEQUENCE CHARACTERISTICS:

AAAAGGTTGT TTTGANAAAA TTTTTGTTTT GTTCC

(A) LENGTH: 849 base pairs

្រស់ស្រាល់ ការស្វីការការូគី។ ប្រជាជនិក្សា ការស្វាល់ស (ប្រើគិត្ស) ប្រជាជនិក្សា

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- (B) TYPE: nucleic acid (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear representation of the second of the s
- (ii) MOLECULE TYPE: CDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:

TTTTTTTTT TTTTTANGTG TNGTCGTGCA GGTAGAGGCT TACTACAANT GTGAANACGT	50
ACGCTNGGAN TAANGCGACC CGANTTCTAG GANNCNCCCT AAAATCANAC TGTGAAGATN 12	
ATCCTGNNNA CGGAANGGTC ACCGGNNGAT NNTGCTAGGG TGNCCNCTCC CANNNCNTTN 18	
CATAACTCNG NGGCCCTGCC CACCACCTTC GGCGGCCCNG NGNCCGGGCC CCCCTCATTIN 24	
GNNTTAACCN CACTINIGCNA NCGGTTTCCN NCCCCNNCNG ACCCNGGCGA TCCGGGGTNC 30	
TCTGTCTTCC CCTGNAGNCN ANAAANTGGG CCNCGGNCCC CTTTACCCCT NNACAAGCCA 36	•
CNGCCNTCTA NCCNCNGCCC CCCCTCCANT NNGGGGGACT GCCNANNGCT CCGTTNCTNG 42	-
NNACCCONN GGGTNCCTCG GTTGTCCANT CATAGOGYTAG	-
CHGCGTTNTTG GCCCCTXCCC TTCCCCTXCCC ANGON COCCTATA	•
CNCNNCGNNG CCTCNCCTCG CAACACCCCC NCTCNTCNCTC NCCCCNTCNCTC	_
NCCCTCNCNC NGNCGNANCH CTCCNCCMCCA COCONGRADAGA GOLDON	-
NTCANCCACH CCNNCACNIC NACCINGRATIO CONGOGOGOGOGOGOGOGOGOGOGOGOGOGOGOGOGOGOG	
CTNCNTCNGG CCANTENNOGC TGAANCCEDIA GUARAGGGGC GCGNCNCCCT CGCCNCNGAA 72	•
CTNCNTCNGG CCANTNNCGC TCAANCCNNA CNAAACGCCG CTGCGCGGCC CGNAGCGNCC 78	0
NCCTCCNCGA GTCCTCCCGN CTTCCNACCC ANGNNTTCCN CGAGGACACN NNACCCCGCC 844	0
NNCANGCGG TO THE THIRD IN THE THE THIRD IN THE THIRD IN THE THIRD IN THE THIRD IN T	9

#### (2) INFORMATION FOR SEQ ID NO:23:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 872 base pairs (ROPENTAL SECTION OF THE COMMENTS O

  - (B) TYPE: nucleic acid spikes that the Common section of the Commo
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

$\mu_{N} \sim 1$ for the $\mu_{N} \sim 2$ for $M^{*}$ , $\mu_{N} \sim 4$	
GCGCAAACTA TACTTCGCTC GNACTCGTGC GCCTCGCTNC TCTTTTCCTC CGCAACCATG 60	
TCTGACNANC CCGATTNGGC NGATATCNAN AAGNTCGANC AGTCCAAACT GANTAACACA 120	
CACACNCNAN AGANAAATCC NCTGCCTTCC ANAGTANACN ATTGAACNNG AGAACCANGC 180	
NGGCGAATCG TAATNAGGCG TGCGCCGCCA ATNTGTCNCC GTTTATTNTN CCAGCNTCNC 240	
CTNCCNACCC TACNTCTTCN NAGCTGTCNN ACCCCTNGTN CGNACCCCCC NAGGTCGGA 300	
TCCCCTTTNN NNTOACCONG ONLOGGORGO GOGGOGGO	
NANNGCNCCC NCCCCCNNCT CTTCCCCCNCC CTCTCCCCCTTTT	
ACCCCATTCA CCCTCCCCCATT CONTENTALA A AL ACCONTALA A AL ACCONTALA A A ACCONTALA A ACCONTALA A A	
TGGGNNNGCG TGTGGNGGGG GTTGGTTGGT AND ANNANCGCTG 480	
TGGGNNNGCG TCTGCNCCGC GTTCCTTCCN NCNNCTTCCA CCATCTTCNT TACNGGGTCT 540	
CCNCGCCNTC TCNNNCACNC CCTGGGACGC TNTCCTNTGC CCCCCTTNAC TCCCCCCCTT 600	
CGNCGTGNCC CGNCCCCACC NTCATTTNCA NACGNTCTTC ACAANNNCCT GGNTNNCTCC 660	
CNANCNGNCN GTCANCCNAG GGAAGGGNGG GGNNCCNNTG NTTGACGTTG NGGNGANGTC 720	
CGAANANTCC TCNCCNTCAN CNCTACCCCT CGGGCGNNCT CTCNGTTNCC AACTTANCAA	
NTCTCCCCC NGNGCNCNTC TCAGCCTCNC CCNCCCCNCT CTCTGCANTG TNCTCTGCTC 840	
TNACCNNTAC GANTNTTCGN CNCCCTCTTT CC 872	
072	

### (2) INFORMATION FOR SEQ ID NO:24:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 815 base pairs

(B) TYPE: nucleic acid

- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

### (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:

GCATGCAAGC	TTGAGTATTC	TATAGNGTCA	CCTAAATANC	TTGGCNTAAT	CATGGTCNTA	60
NCTGNCTTCC	TGTGTCAAAT	GTATACNAAN-	TANATATGAA	TCINATNTGA	CAAGANNGTA	120
TCNTNCATTA	GTAACAANIG	TNNTGTCCAT	CCTGTCNGAN	CANATTCCCA	TNNATTNCGN	180
				NCACCNNCAT		240
GCNCCCTGAC	TGCNAGAGAT	GGATNANTTC	TNNTNTGACC	NACATGITCA	TCTTGGATTN	300
AANANCCCCC	CGCNGNCCAC	CGGTTNGNNG	CNACCONTC	CCAAGACCTC	CTGTGGAGGT	360
AACCTGCGTC	AGANNCATCA	AACNTGGGAA	ACCCGCNNCC	ANGTNNAAGT	NGNNNCANAN	420
				TTNGTGCCTT'		480
				CAATTNGGCA		540
				CNCNCANGAA		600
				GTNCCAGTCC		660
				CNGNCGAGGN		720
ACCGGNCCTN	GGNCGAANNG	ANCNNTCNGA	AGNGCCNCNT	CGTATAACCC	CCCCTCNCCA	780
NCCNACNGNT	AGNTCCCCCC	CNGGGTNCGG	AANGG `	V. C. C. C.		815

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#### (2) INFORMATION FOR SEQ ID NO:25:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 775 base pairs with the property of the control of the
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA 30 1 A 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7 1 M 7
- (x1) SEQUENCE DESCRIPTION: SEQ ID NO:25:

,					· ·			
C	CGAGATGTC	TCGCTCCGTG	GCCTTAGCTG	TGCTCGCGCT	ACTCTCTCT	TCTGGCCTGG	6	O.
Α	GGCTATCCA	GCGTACTCCA	AAGATTCAGG	TTTACTCACG	TCATCCAGCA	GAGAATGGAA	12	0
A	GTCAAATTT	CCTGAATTGC	TATGTGTCTG	GGTTTCATCC	ATCCGACATT	GAANTTGACT	18	0
T	ACTGAAGAA	TGGANAGAGA	ATTGAAAAAG	TGGAGCATTC	AGACTTGTCT	TTCAGCAAGG	24	0
					CACTGAAAAA		30	0
					AGTTAAGTGG		36	-
					GATTGGATGA		42	
					TACCCITTAT		4.8	0
T	GTAGGGGTT	A.CATNANTGT	TCNCNTNGGA	CATGATCTTC	CTTTATAANT	CCNCCNTTCG	54	0
A	ATTGCCCGT	CNCCCNGTTN	NGAATGTTTC	CNNAACCACG	GTTGGCTCCC	CCAGGTCNCC	60	10
·T	CTTACGGAA	GGGCCTGGGC	CNCTTTNCAA	GGTTGGGGGA	ACCNAAAATT	TCNCTTNTGC	66	0
·C	CNCCCNCCA	CNNTCTTGNG	NNCNCANTTT	GGAACCCTTC	CNATICCCCT	TGGCCTCNNA	1 72	0
N	CCTTNNCTA	ANAAAACTTN	AAANCGTNGC	NAAANNTTTN	ACTTCCCCCC	TTACC	7.7	15

#### (2) INFORMATION FOR SEQ ID NO:26:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 820 base pairs
  - (B) TYPE: nucleic acid

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- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:

					•		-
	ANATTANTAC	AGTGTAATCT	TTTCCCAGAG	GTGTGTANAG	GGAACGGGGC	CTAGAGGCAT	60
	CCCANAGATA	NCTTATANCA	ACAGTGCTTT	GACCAAGAGC	TGCTGGGCAC	ATTTCCTGCA	120
	GAAAAGGTGG	CGGTCCCCAT	CACTCCTCCT	CTCCCATAGC.	CATCCCAGAG	GGGTGAGTAG	180
	CCATCANGCC	TTCGGTGGGA	GGGAGTCANG	GAAACAACAN	ACCACAGAGC	ANACAGACCA	240
	NTGATGACCA	TCGGCGGGAG	CGAGCCTCTT	CCCTGNACCG	GGGTGGCANA	NGANAGCCTA	300
	NCTGAGGGGT	CACACTATAA	ACGTTAACGA	CCNAGATNAN	CACCTGCTTC	AAGTGCACCC	360
· ·	TTCCTACCTG	ACNACCAGNG	ACCINNAACT.	GCNGCCTGGG.	GACAGCNCTG	GGANCAGCTA	420
٠.	ACNNAGCACT	CACCTGCCCC	CCCATGGCCG	TNCGCNTCCC	TGGTCCTGNC	AAGGGAAGCT	480
Ċ	CCCTGTTGGA	ATTNCGGGGA	NACCAAGGGA	NCCCCCTCCT.	CCANCTGTGA ·	ACCAAAAANN	540
::	GATGGAATTT	TNCCCTTCCG	GCCNNTCCCC	TCTTCCTTTA	CACGCCCCCT	NNTACTONTC	600
, .	TCCCTCTNTT	NTCCTGNCNC	ACTITINACC	CCNNNATTTC-	CCTTNATTGA:	TCGGANNCTN	
	GANATTCCAC.	TNNCGCCTNC	CNTCNATCNG	NAANACNAAA	NACTNTCTNA	CCCNGGGGAT .	720
	GGGNNCCTCG	NTCATCCTCT	CTTTTTCNCT	ACCNCCNNTT	CTTTGCCTCT	CCTTNGATCA	720
	TCCAACCNTC	GNTGGCCNTN	CCCCCCNNN	TCCTTTNCCC		TO THE PERSON	820
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## (2) INFORMATION FOR SEQ ID NO:27:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 818 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:

				**			
TCT	GGGTGAT	GGCCTCTTCC	TCCTCAGGGA	CCTCTGACTG	CTCTGGGCCA	AAGAATCTCT	60
TGT	TTCTTCT	CCGAGCCCCA	GGCAGCGGTG	ATTCAGCCCT	GCCCAACCTG	ATTCTGATGA	120
CTG	CGGATGC	TGTGACGGAC	CCAAGGGGCA	AATAGGGTCC	CAGGGTCCAG	GGAGGGGCGC	180
CTG	CTGAGCA	CTTCCGCCCC	TCACCCTGCC	CAGCCCCTGC	CATGAGCTCT	GGGCTGGGTC	240
TCCC	GCCTCCA.	GGGTTCTGCT	CTTCCANGCA	NGCCANCAAG	TGGCGCTGGG	CCACACTGGC	300
TTCT	ITCCTGC	CCCNTCCCTG	GCTCTGANTC	TCTGTCTTCC	TGTCCTGTGC	ANGCNCCTTG	360
GATO	CTCAGTT	TCCCTCNCTC	ANNGAACTCT	GTTTCTGANN	TCTTCANTTA	ACTNTGANTT	420
TATN	NACCNAN	TGGNCTGTNC	TGTCNNACTT	TAATGGGCCN	GACCGGCTAA	TCCCTCCCTC	480
NCTC	CCCTTCC	ANTTCNNNNA	ACCNGCTTNC	CNTCNTCTCC	CCNTANCCCG	CCNGGGAANC	540
CTCC	CTTTGCC	CTNACCANGG	GCCNNNACCG	CCCNTNNCTN	GGGGGGCNNG	GTNNCTNCNC	600
CTGN	TNNCCC	CNCTCNCNNT	TNCCTCGTCC	CNNCNNCGCN	NNGCANNTTC	NCNGTCCCNN	660
TNNC	TCTTCN	NGTNTCGNAA	NGNTCNCNTN	TNNNNNGNCN	NGNTNNTNCN	TCCCTCTCNC	720
CNNN	NTGNANG	TNNTTNNNNC	NCNGNNCCCC.	NNNNCNNNNN	NGGNNNTNNN	TCTNCNCNGC	780
CCCN	INCCCCC.	NGNATTAAGG	CCTCCNNTCT	CCGGCCNC			818

## (2) INFORMATION FOR SEQ ID NO:28:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 731 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:

(xi) S	BOUENCE DESC	CRIPTION: SE	Q: ID; NO:28:			;
• • • • • • • • • • • • • • • • • • •	7	Contract of the Contract of th				7.75 ×
AGGAAGGGCG	GACGGATATT	GTANGGGATT	GAGGGATAGG	AGNATAANGG	GGGAGGTGTG	60
TCCCAACATG	ANGGTGNNGT	TCTCTTTTGA	ANGAGGGTTG	NGTTTTTANN	CCNGGTGGGT	120
GATTNAACCC	CATTGTATGG	AGNNAAAGGN	TTTNAGGGAT	TTTTCGGCTC	TTATCAGTAT	144 3 180
NTANATTCCT	GTNAATCGGA	AAATNATNTT	TCNNCNGGAA	AATNTTGCTC.	CCATCCGNAA	240
ATTNCTCCCG	GGTAGTGCAT	NTTNGGGGGN	CNGCCANGTT	TCCCAGGCTG	CTANAATCGT*	300
					TACCCGACTG	360
					GTCNCCCNGN	420
NNNGCGNCNE	TGAAANNNNC	TCGNGGCTNN	GANCATCANG.	GGGTTTCGCA	TCAAAAGCNN	480
					TTTNGCCGTC `	540
		CNCCTNNNTN				600
		TTTTNACCNN				660
TCTCNACCCC	CCCCCTTTTT	CAATCCCANC	GGCNAATGGG	GTCTCCCCNN	CGANGGGGGG	720
NNNCCCANNC	С			•		731

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#### (2) INFORMATION FOR SEQ ID NO:29:

#### (i) SEQUENCE CHARACTERISTICS:

- EQUENCE CHARACTERISTICS:

  (A) LENGTH: 822 base pairs

  (B) TYPE: pucleic acid
- - (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:

					="		
				12-15-15	0		
	ACTAGTCCAG	TGTGGTGGAA	TTCCATTGTG	TTGGGGNCNC	TTCTATGANT	ANTNTTAGAT	60
•	CGCTCANACC	TCACANCCTC	CCNACNANGC	CTATAANGAA	NANNAATAGA	NCTGTNCNNT	120
	ATNTNTACNC	TCATANNCCT	CNNNACCCAC	TCCCTCTTAN	CCCNTACTGT	GCCTATNGCN `	180
	TNNCTANTCT	NTGCCGCCTN	CNANCCACCN	GTGGGCCNAC	CNCNNGNATT	CTCNATCTCC	
	TCNCCATNTN	GCCTANANTA	NGTNCATACC	CTATACCTAC	NCCAATGCTA	NNNCTAANCN	
	TCCATNANTT	ANNNTAACTA	CCACTGACNT	NGACTTTCNC	ATNANCTCCT	AATTTGAATC	360
	TACTCTGACT	CCCACNGCCT	ANNNATTAGC	ANCNTCCCCC	NACNATNTCT	CAACCAAATC	420
						AACCCCCCTC	480
	CCAAATACCC	NCCACCTGAC	NCCTAACCCN	CACCATCCCG	GCAAGCCNAN	GGNCATTTAN	540
•						CTCCCTAANA	€00
			NCANTNCCAT				660
						CCCCCNCTNC	720
						ANANNNTCCG	780
-			GGGGNCCCTT			•	822

#### (2) INFORMATION FOR SEQ ID NO:30:

#### (i) SEOUENCE CHARACTERISTICS:

- (A) LENGTH: 787 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: CDNA

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:30:...

CGGCCGCCTG CTCTGGCACA TGCCTCCTCA ATGCGATGATA	
CGGCCGCCTG CTCTGGCACA TGCCTCCTGA ATGGCATCAA AAGTGATGGA CTGCCCATTG	60
CTAGAGAAGA CCTTCTCCC TACTGTCATT ATGGAGCCCT GCAGACTGAG GGCTCCCCTT	120
GTCTGCAGGA TTTGATGTCT GAAGTCGTGG AGTGTGGCTT GGAGCTCCTC ATCTACATNA	180
GCTGGAAGCC CTGGAGGGCC TCTCTCGCCA GCCTCCCCCT TCTCTCCACG CTCTCCANGG	
ACACCACCOCCA GCCTCCCCCT TCTCTCCACG CTCTCCANGG	240
ACACCAGGGG CTCCAGGCAG CCCATTATTC CCAGNANGAC ATGGTGTTTC TCCACGCGGA	300
CCCATGGGGC CTGNAAGGCC AGGGTCTCCT TTGACACCAT CTCTCCCGTC CTGCCTGGCA	360
GGCCGTGGGA TCCACTANTT CTANAACGGN CGCCACCNCG GTGGCAGCTC CAGCTTTTGT	
TOO THE STATE OF T	420
TCCCNTTAAT GAAGGTTAAT TGCNCGCTTG GCGTAATCAT NGGTCANAAC TNTTTCCTGT	480
GTGAAATTGT TINTCCCCTC NCNATTCCNC NCNACATACN AACCCGGAAN CATAAAGTGT	540
TAAAGCCTGG GGGTNGCCTN NNGAATNAAC TNAACTCAAT TAATTGCGTT GGCTCATGGC	
CCCCTTTTCCAT THEOLOGICAL CONTROL OF THE CONTROL OF	600
CCGCTTTCCN TTCNGGAAAA CTGTCNTCCC CTGCNTTNNT GAATCGGCCA CCCCCCNGGG	660
AAAAGCGGTT TGCNTTTTNG GGGGNTCCTT CCNCTTCCCC CCTCNCTAAN CCCTNCGCCT	
COGTOGTTNC NCCTNCCCCC CANNOCCNAR ADDITIONAL COLLECTIONS	720
CGGTCGTTNC NGGTNGCGGG GAANGGGNAT NNNCTCCCNC NAAGGGGGNG AGNNNGNTAT	1 780
CCCCAAA	787
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### (2) INFORMATION FOR SEQ ID NO:31:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 799 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:

12. 12. 数 14. 12. 14. 12. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14	*
TTTTTTTTT TTTTTTGGC GATGCTACTG TTTAATTGCA GGAGGTGGGG GTGTGTGTAC	60
CATGTACCAG GGCTATTAGA AGCAAGAAGG AAGGAGGGAG GGCAGAGCGC CCTGCTGAGG	1.30
AACAAAGGAC TCCTGCAGCC TTCTCTGTCT GTCTCTTGGC GCAGGCACAT GGGGAGGCCT	180
CCCGCAGGGT GGGGGCCACC AGTCCAGGGG TGGGAGCACT ACANGGGGTG GGAGTGGGTG	240
GTGGCTGGTN CNAATGGCCT GNCACANATC CCTACGATTC TTGACACCTG GATTTCACCA	
GGGGACCTTC TGTTCTCCCA NGGNAACTTC NTNNATCTCN AAAGAACACA ACTGTTTCTT	300
CNGCANTETCT COCTECTED TO COLARGO CANDON COLOR CONTROLL COLOR	360
CNGCANTTCT GGCTGTTCAT GGAAAGCACA GGTGTCCNAT TINGGCTGGG ACTTGGTACA	420
TATGGTTCCG GCCCACCTCT CCCNTCNAAN AAGTAATTCA CCCCCCCCN CCNTCTNTTG	480
CCTGGGCCCT TAANTACCCA CACCGGAACT CANTTANTTA TTCATCTTNG GNIGGGCTTG	540
NTNATCNCCN CCTGAANGCG CCAAGTTGAA AGGCCACGCC GTNCCCNCTC CCCATAGNAN	600
NTTTTNNCNT CANCTAATGC CCCCCCNGGC AACNATCCAA TCCCCCCCCN TGGGGGCCCC	660
AGCCCANGGC CCCCGNCTCG GGNNNCCNGN CNCGNANTCC CCAGGNTCTG CCANTCNGNC	720
CCNNNGCNCC CCCGCACGCA GAACANAAGG NTNGAGCCNC CGCANNNNNW NGGTNNCNAC	
CTCGCCCCC CCNNCGNNG A SAME AND	780
The state of the s	799
to be a second of the second o	

## (2) INFORMATION FOR SEQ ID NO:32:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 789 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:

(MIL) DEGULIOR					4
					• •
· TTTTTTTTT TTTTT	LLLI, LILLILLILLILL	TTTTTTTTT	TTTTTTTTT	TTTTTTTTT	60
TTTTNCCNAG GGCAGG	TTTA TTGACAACCT	CNCGGGACAC	AANCAGGCTG	GGGACAGGAC	120
GGCAACAGGC TCCGGC	GGCG GCGGCGGCGG	CCCTACCTGC	GGTACCAAAT	NTGCAGCCTC	180
CGCTCCCGCT TGATNT	TCCT CTGCAGCTGC	AGGATGCCNT-	AAAACAGGGC	CTCGGCCNTN	240
GGTGGGCACC CTGGGA					300
NATTAGGAAT AGTGGT					360
GCGGCTCCGG CATCTG	GTCT TAAACCTTGC	AAACNCTGGG	GCCCTCTTTT	TGGTTANTNT	420
NCCNGCCACA ATCATN	ACTC AGACTGGCNC	GGGCTGGCCC	CAAAAAANCN	CCCCAAAACC	480
GGNCCATGTC TTNNCG					540
CCAAAAGTTC TTGNGG	CCCN CAAAAAANCT	CCGGGGGGNC	CCAGTTTCAA	CAAAGTCATC	600
CCCCTTGGCC CCCAAA					660
TGGNNGGCAA GNTGGN					720
NTCCTNNNCA CCATCC				and the second s	780
CCCCCNCG	***		12 1 1	h ' : '	789

#### (2) INFORMATION FOR SEQ ID NO:33:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 793 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA 'F' KANE CO AND CONTRACTOR OF STA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:

(XI) .91	SQUENCE DESC				A security of the	
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						60
CATGGC	TGTTGGAGCA	<b>ATANAACCĆC</b>	AGTTCTACCA	GCTGCTGATC	AAAGGACTTG	120
TAAAGTC	TGATGAACTT	CCCAATCAGA	TGAGCATGGA	TGATTGGCCA	GAAATGAANA	180
AGTTTGC	AGATGTATTT	GCAAAGAAGA	CGAAGGCAGA	GTGGTGTCAA	ATCTTTGACG	240
CAGATGC	CTGTGTGACT-	CCGGTTCTGA	CTTTTCAGGA	GGTTGTTCAT	CATGATCACA	300
ANGAACG	GGGCTCGTTT	ATCACCANTG	AGGAGCAGGA	CGTGAGCCCC	CGCCCTGCAC	360
TGCTGTT	AAACACCCCA	GCCATCCCTT	CTTTCAAAAG	GGATCCACTA	CTTCTAGAGC	420
CGCCACC	GCGGTGGAGC	TCCAGCTTTT	GTTCCCTTTA	GTGAGGGTTA	ATTGCGCGCT	480
CGTAATC	ATGGTCATAN	CTGTTTCCTG	TGTGAAATTG	TTATCCGCTC	ACAATTCCAC	540
ACATACG	ANCCGGAAGC	ATNAAATTTT	AAAGCCTGGN	GGTNGCCTAA	TGANTGAACT	600
						660
						720
						780
				*		793
	AGAACAT FCATGGC FAAAGTC AGTTTGC ANGAACG FGCTGTT CGCCACC CGTAATC ACATACG FCACATT AGCTGCC NCTTCCC	AGAACAT GTTGGATGGT TCATGGC TGTTGGAGCA TAAAGTC TGATGAACTT AGTTTGC AGATGTATTT CAGATGC CTGTGTGACT ANGAACG GGGCTCGTTT TGCTGTT AAACACCCCA CGCCACC GCGGTGGAGC CGTAATC ATGGTCATAN ACATACG ANCCGGAAGC TCACATT AATTGGCTTT AGCTGCC NTTAATGAAT	AGAACAT GTTGGATGGT GGAGCACCTT TCATGGC TGTTGGAGCA ATANAACCCC TAAAGTC TGATGAACTT CCCAATCAGA AGTTTGC AGATGTATTT GCAAAGAAGA CAGATGC CTGTGTGACT CCGGTTCTGA ANGAACG GGGCTCGTTT ATCACCANTG TGCTGTT AAACACCCCA GCCATCCCTT CGCCACC GCGGTGGAGC TCCAGCTTTT CGTAATC ATGGTCATAN CTGTTTCCTG ACATACG ANCCGGAAGC ATNAAATTTT TCACATT AATTGGCTTT GCGCTCACTG AGCTGCC NTTAATGAAT CNGGCCACCC NCTTCCC GCTTTCTCGC TTCCTGAANT	AGAACAT GTTGGATGGT GGAGCACCTT TCTATACGAC TCATGGC TGTTGGAGCA ATANAACCCC AGTTCTACGA TAAAGTC TGATGAACTT CCCAATCAGA TGAGCATGGA AGTTTGC AGATGTATTT GCAAAGAAGA CGAAGGCAGA ANGAACG GGGCTCGTTT ATCACCANTG AGGAGCAGGA TGCTGTT AAACACCCCA GCCATCCCTT CTTTCAAAAG CGCCACC GCGGTGGAGC TCCAGCTTTT GTTCCCTTTA ACATACG ANCCGGAAGC ATNAAATTTT AAAGCCTGGN TCACATT AATTGGCTTT GCGCTCACTG CCCGGTTTCC AGCTGCC NTTAATGAAT CNGGCCACC CCCGGGGAAA NCTTCCC GCTTTCCCCC	TCATGCC TGTTGGAGCA ATANAACCCC AGTTCTACCA GCTGCTGATC TAAAGTC TGATGAACTT CCCAATCAGA TGAGCATGGA TGATTGGCCA AGTTTGC AGATGTATTT GCAAAGAAGA CGAAGGCAGA GTGGTGTCAA CAGATGC CTGTGTGACT CCGGTTCTGA CTTTTCAGGA GGTTGTTCAT ANGAACG GGGCTCGTTT ATCACCANTG AGGAGCAGGA CGTGAGCCCC TGCTGTT AAACACCCCA GCCATCCCTT CTTTCAAAAG GGATCCACTA CGCCACC GCGGTGGAGC TCCAGCTTTT GTTCCTTTA GTGAGGGTTA CGTAATC ATGGTCATAN CTGTTTCCTG TGTGAAATTG TTATCCGCTC ACATACG ANCCGGAAGC ATNAAATTTT AAAGCCTGGN GGTNGCCTAA TCACATT AATTGGCTTT GCGCTCACTG CCCGGTTTCC AGTCCGGAAA AGCCTGCC NTTAATGAAT CNGGCCACCC CCCGGGGAAA AGGCNGTTTG NCTTCCC GCTTTCTCGC TTCCTGAANT CCTTCCCCCC GGTCTTCCG	AGAACAT GTTGGATGGT GGAGCACCTT TCTATACGAC TTACAGGACA GCAGATGGGG TCATGGC TGTTGGAGCA ATANAACCCC AGTTCTACCA GCTGCTGATC AAAGGACTTG TAAAGTC TGATGAACTT CCCAATCAGA TGAGCATGGA TGATTGGCCA GAAATGAANA AGTTTGC AGATGTATTT GCAAAGAAGA CGAAGGCAGA GTGGTGTCAA ATCTTTGACG CAGATGC CTGTGTGACT CCGGTTCTGA CTTTTGAGGA GGTTGTTCAT CATGATCACA ANGAACG GGGCTCGTTT ATCACCANTG AGGAGCAGGA CGTGAGCCCC CGCCCTGCAC TGCTGTT AAACACCCCA GCCATCCCTT CTTTCAAAAG GGATCCACTA CTTCTAGAGC CGCCACC GCGGTGGAGC TCCAGCTTTT GTTCCTTA GTGAGGGTTA ATTGCGCGCT CCGTAATC ATGGTCATAN CTGTTTCCTG TGTGAAATTG TTATCCGCTC ACAATTCCAC ACATACG ANCCGGAAGC ATNAAATTTT AAAGCCTGGN GGTNGCCTAA TGANTGAACT TCACATT AATTGGCTTT GCGCTCACTC CCCGCTTTCC AGTCCGGAAA ACCTGTCCTT AGCTGCC NTTAATGAAT CNGGCCACCC CCCGGGGAAA AGGCNGTTTG CTTNTTGGGG NCTTCCC GCTTTCTCGC TTCCTGAANT CCTTCCCCCC GGTCTTTCGG CTTGCGGCNA

1.51 1.75174 L

#### (2) INFORMATION FOR SEQ ID NO:34:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 756 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:

				•	·	
		•	2000年 - 金布集 1.5			
GCCGCGACCC	GCATGTACGA	GCAACTCAAG	GGCGAGTGGA	ACCCTAAAAG	<b>ሮሮሮሮስ አጥር</b> ሚባ	60
ANCAAGTGCG	GGGAANAGCŢ	GGGTCGACTC	AAGCTAGTTC	TTCTGGAGCT	Cyvenican	
CCAACCACAC	GGACCAAGCT	GACCAAACAG	CAGCTAATTC	TCCCCCCTCA	CARCITCITO	130
ATCGGGGCCC	AATGGAGCAT	CCTACCCAAN	Chemere	COUCCOLGA	CATACTGGAG	180
CACCTCAAAT	COMPONIA	CCIACGCAAN	GWCW.I.C.C.C.T.	CCTTCGAGCG	CTACATGGCC	240
CAGCICAAAI	GCTACTACTT	TGATTACAAN	GAGCAGCTCC	CCGAGTCAGC	CTATATGCAC	300
CAGCICITGG	GCCTCAACCT	CCTCTTCCTG	CTGTCCCAGA	ACCCCCCTCCC	TO A NUTRICION OF	
ACGGANTTGG	ANCGGCTGCC	TGCCCAANGA-	CATACANACC	ልልጥርጥርጥለርአ	TOTAGGAGGA	300
GTGTCCTGGA	GCAATACTGA	TECANECCAC	CALLY COLOUR A A	THE TOTAL THE	ICNACCACCA	420
CATCCCCCCC	CCACACCOTA	100ANOGCAG	CIACCNCAAA	GINTICCTGG.	CCNAGGGTAA	480
CATCCCCCCC	CGAGAGCTAC	ACCITCTTCA.	TIGACATCCT	,GCTCGACACT;	<b>ATCAGGGATG</b>	<b>1001 540</b>
AAAATCGCNG	GGTTGCTCCA	GAAAGGCTNC:	AANAANATCC	Telling And Andreas	ACCCCCCCCCC	
ATNUNCTAGT	NCTAGAATCG	GCCCGCCATC	GCGGTGGANC	· ምምር ል አርር ተቀም፡-	TOWNSTOWN	
TTACTGAGGG	TTNATTGCCG	CCCTTCCCCT	ጥልጥሮአጥሮርጥሮ	· o'T'c citit ch' I I	CCGTTMCCCT.	2,660
ΑΛΤΤΝΤΤΑΔΟ	CCCCCACAAm	TCCACCCCT	TWICKTIGGIC	ACNCCNGTIN:	CCTGTGTTGA	720
	CCCCACAAT	ICCACGCCNA	CATENG TOP	and more than	74 T	30 7 H <b>756</b>
			그 왜 뭐 그게 있어요?	CA STREET	eretjer i je.	1.
(2) INFORM	ATION FOR SE	O ID NO.35.				

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### (2) INFORMATION FOR SEQ ID NO:35:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 834 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: CDNA

•					•	
GGGGATCTCT	ANATCNACCT	GNATGCATGG	TTGTCGGTGT	GGTCGCTGTC	GATGAANATG	60
AACAGGATCT	TGCCCTTGAA	GCTCTCGGCT	GCTGTNTTTA	AGTTGCTCAG	ACACCCCCACA ACTOCCCCCACA	
TAGTCAGACA	CNCTCTTGGG	CAAAAAACAN	CAGGATNTGA	GTCTTGATTT	·CACCTICA	120
AATCTTCNCG	GCTGTCTGCT	CGGTGAACTC	CATCACNANC	GGCAGCTGGT	CACCICCAAI	180
AAANTCCANC	ANGTTCTCCT	TGGTGACCTC	CCCTTCAAAA	TTGTTCCGGC	TGTGTNTGAT	
CTTCTNNAAN	ANGANNANCC	CANCETTO	CACCHICAMAG	TTGTTCCGGC	CTTCATCAAA	.300
GGAAACTGAT	CCCAAATCCT	VACACITIESTO.	GAGCIGGNAT	TIGGANAACA	CGTCACTGTT	360
GGCNCAAATC	CCAAAAIGGI	MIGICALCA	.regeererge	TGCCTGCAAA	AAACTTGCTT	420
MNCAANGACT	COACICCCCI	TCCTTGAAAG	AAGCCNATCA	CACCCCCTC:	CCTGGACTCC	480
TTCTTCACC	CINCCGCINC	CCCNTCCNNG	CAGGGTTGGT	GGCANNCCGG	GCCCNTGCGC	540
CCANICAGUE	AGTTCACNAT	NTTCATCAGC	CCCTCTGCCA	GCTGTTNTAT	TCCTTGGGGG	600
GGWANCCGIC	TCTCCCTTCC	TGAANNAACT	TTGACCGTNG	GAATAGCCCC	CONTONICONT	660
ACMINCIGGG	CCGGGTTCAA	ANTCCCTCCN	TTGNCNNTCN	CCTCCCCCCA.	THE CHARGE A COMME	
NCCNAACTTT	TTCCTTCCCC	CNCCCCNCGG -	NGTTTGGNTT	TTTCATNCCC	<i>የሮሮሮ</i> ስ አ <i>ር</i> ጥርጥ	780
GCTNTTGGCC	ANTCCCCTGG	GGGCNTNTAN	CNCCCCCTNT	GGTCCCNTNG	GGCC	834
					A +++	

## (2) INFORMATION FOR SEQ ID NO:36:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 814 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:

CCGNCGCTTT CCNGCCGCGC CCCC	GTTTCCA TGACNAAGGC	TCCCTTCANG TTA	AATACNN	. €0
CCTAGNAAAC ATTAATGGGT TGC	TCTACTA ATACATCATA	CNAACCAGTA AGC	CTGCCCA	120
NAACGCCAAC TCAGGCCATT CCT	ACCAAAG GAAGAAAGGC	TGGTCTCTCC ACC	CCCTGTA	180
GGAAAGGCCT GCCTTGTAAG ACA	CCACAAT NCGGCTGAAT	CTNAAGTCTT GTG	TTTTACT	240
AATGGAAAAA AAAAATAAAC AAN	AGGTTTT GTTCTCATGG	CTGCCCACCG CAG	CCTGGCA	300
CTAAAACANC CCAGCGCTCA CTT	CTGCTTG GANAAATATT	CTTTGCTCTT TTG	GACATCA	360
GGCTTGATGG TATCACTGCC ACN	TTTCCAC CCAGCTGGGC	NCCCTTCCCC CAT		420
ANTGANCTGG AAGGCCTGAA NCT	TAGTCTC CAAAAGTCTC	NGCCCACAAG ACC	.00000	480
AGGGGANGTC NTTTNCAGTG GAT	CTGCCAA, ANANTACCCN	TATCATCNNT GAA	TAAAAAG	540
GCCCTGAAC GANATGCTTC CAN	CANCETT TAAGACCEAT	AATCCTNGAA CCA	11001000	600
CTTCCGGTCT GATCCNAAAG GAA	TGTTCCT GGGTCCCANT	CCCTCCTTTG TIN	.0221.00-	660
TGTNTTGGAC CCNTGCTNGN ATN	ACCCAAN TGANATCCCC	NGAAGCACCC TNO	CCCTGGC	720
ATTTGANTTT CNTAAATTCT CTG		CNATTCCCTN GGC	:NCCNAAN	780
GGNGAACTCA AGAAGGTCTN NGA	AAAACCA CNCN			814
				•
(2) INFORMATION FOR SEQ I	D NO:37:		•	٠.

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 760 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:

(xi) SEQUENCE DESCRIPTION: SEQ 1D NO:37:	s. 1
THE TOURS OF THE PROPERTY OF T	
GCATGCTGCT CTTCCTCAAA GTTGTTCTTG TTGCCATAAC AACCACCATA GGTAAAGCGG	,60
GCGCAGTGTT CGCTGAAGGG GTTGTAGTAC CAGCGCGGGA TGCTCTCCTT GCAGAGTCCT	120
GTGTCTGGCA GGTCCACGCA ATGCCCTTTG TCACTGGGGA AATGGATGCG CTGGAGCTCG	180
GIGICIOGGA GUICARGUA TUTTO TICACANGCA GCCTCCTCCG AAGCNTCCGG GCAGTTGGGG	240
TUNAANCAC ICGIGIATIT TICAGGGGGT CANCAGGGGA TTGGTGCAGG GGAACTGGGT	300
GTGTCGTCAC ACTCCACTAA ACTGTCGATTA CACCCTTTCCA TGGAACGCC TGGGGGGAAAT	360
GGGCTGACAG GTGCCAGAAC ACACTGGATA GGCCTTTCCA TGGGAGAGAGA CTAGAAATGC	420
CNCCTNANCC CLAACTGCCT CTCAAAGGCC ACCTTGCACA CCCCGACAGG CLAAAAAAAAAAAAAAAAAAAAA	
ACTOTTOTTO CCAAAGGTAG TTGTTCTTGT TGCCCAAGCA NCCTCCANCA AACCAAAANC	
TTGCAAAATC TGCTCCGTGG GGGTCATNNN TACCANGGTT GGGGAAANAA ACCCGGCNGN	T
GANCCNCCTT GTTTGAATGC NAAGGNAATA ATCCTCCTGT CTTGCTTGGG TGGAANAGCA	,
CAATTGAACT GTTAACNTTG GGCCGNGTTC CNCTNGGGTG GTCTGAAACT AATCACCGTC	660
ACTOGRADAD GOTANGTOCC TTCCTTGAAT TCCCAAANTT CCCCTNGNTT TGGGTNNTTT	720
	760
TCNAANCCAC TCGTGTATTT TTCACANGCA GCCTCCTCG AAGCNTCCGG GCAGTTGGGG GTGTCGTCAC ACTCCACTAA ACTGTCGATN CANCAGCCCA TTGCTGCAGC GGAACTGGGT GGGCTGACAG GTGCCAGAAC ACACTGGATN GGCCTTTCCA TGGAAGGGCC TGGGGGAAAT CNCCTNANCC CLAACTGCCT CTCAAAGGCC ACCTTGCACA CCCCGACAGG CTAGAAATGC ACTCTTCTTC CCAAAGGTAG TTGTTCTTGT TGCCCAAGCA NCCTCCANCA AACCAAAANC TTGCAAAATC TGCTCCGTGG GGGTCATNNN TACCANGGTT GGGGAAANAA ACCCGGCNGN GANCCNCCTT GTTTGAATGC NAAGGNAATA ATCCTCCTGT CTTGCTTGGG TGGAANAGCA CAATTGAACT GTTAACNTTG GGCCGNGTTC CNCTNGGGTG GTCTGAAACT AATCACCGTC ACTGGAAAAA GGTANGTGCC TTCCTTGAAT TCCCAAANTT CCCCTNGNTT TGGGTNNTTT CTCCTCTNCC CTAAAAATCG TNTTCCCCCC CCNTANGGCG	300 360 420 480 540 600 660 720

#### (2) INFORMATION FOR SEQ ID NO:38:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 724 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:

TTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTTAAAAA CCCCCTCCAT TGAATGAAAA 60 CTTCCNAAAT TGTCCAACCC CCTCNNCCAA ATNNCCATTT CCGGGGGGGG GTTCCAAACC 120

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CAAATTAATT TTGGANTTTA AATTAAATNT TNATTNGGGG AANAANCCAA ATGTNAAGAA 180
AATTTAACCC ATTATNAACT TAAATNCCTN GAAACCCNTG GNTTCCAAAA ATTTTTAACC 3240
CTTAAATCCC TCCGAAATTG NTAANGGAAA ACCAAATTCN CCTAAGGCTN TTTGAAGGTT 300
NGATTTAAAC CCCCTTNANT TNTTTTNACC CNNGNCTNAA NTATTTNGNT TCCGGTGTTT 360
TCCTNTTAAN CNTNGGTAAC TCCCGNTAAT GAANNNCCCT AANCCAATTA AACCGAATIT 420
TTTTTGAATT GGAAATTCCN NGGGAATTT 30 420
TTTTTGAATT GGAAATTCCN NGGGAATTNA CCGGGGTTTT TCCCNTTTGG GGGCCATNCC 480
CCCNCTTTCG GGGTTTGGGN NTAGGTTGAA TTTTTNNANG NCCCAAAAAA NCCCCCAANA 5 10 540
AAAAAACTCC CAAGNNTTAA TINGAATNIC CCCCTTCCCA GGCCTTTTGG GAAAGGNGGG 600
TTTNTGGGGG CCNGGGANTT CNTTCCCCCN TTNCCNCCCC CCCCCNGGT AAANGGTTAT 660
NGNNTTTGGT TTTTGGGCCC CTTNANGGAC CTTCCGGATN GAAATTAAAT CCCCGGGNCG 720
GCCG (\$1.00.000 To 10.000
,"你们是一个一点,我们就是我们的DDD的,就是我们的DDD。" 人名意内特尔 网络拉拉斯 医电影 医二氏病 医二氏病 医二氏病
(2) INFORMATION FOR SEQ ID NO:39:
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(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 751 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOI POUT P TUDE POUR
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
TTTTTTTTT TTTTTCTTG CTCACATTTA ATTTTTATTT TGATTTTTTT TAATGCTGCA 60
CAACACAATA TTTATTTCAT TTGTTTCTTT TATTTCATTT TATTTGTTTG CTGCTGCTGT 120
TTTATTATT TTTACTGAAA GTGAGAGGGA ACTTTTGTGG CCTTTTTTCC TTTTTCTGTA 180
GGCCGCCTTA AGCTTTCTAA ATTTGGAACA TCTAAGCAAG CTGAANGGAA AAGGGGGTTT TO T240
CGCAAAATCA CTCGGGGGAA NGGAAAGGTT GGTTGTTAA TCATGCCCTA TGGTGGGTGA 300
TTAACTGCTT GTACAATTAC NTTTCACTTT TAATTAATTG TGCTNAANGC TTTAATTANA 360
CTTGGGGGTT CCCTCCCCAN ACCAACCCCN CTGACAAAAA GTGCCNGCCC TCAAATNATG 4420
TCCCGGCNNT CNTTGAAACA CACNGCNGAA NGTTCTCATT NTCCCCNCNC CAGGTNAAAA 480
TGAAGGGTTA: CCATNTTTAA: CNCCACCTCC ACNTGGCNNN GCCTGAATCC TCNAAAANCN 540
CCCTCAANCN AATTNCTNNG CCCCGGTCNC GCNTNNGTCC CNCCCGGGCT CCGGGAANTN 600
CACCCCCNGA ANNCNNTNNC NAACNAAATT CCGAAAATAT TCCCCNNTCNC TCAATTCCCC 660
CNNAGACTNT CCTCNNCNAN CNCAATTTTC TTTTNNTCAC GAACNCGNNC CNNAAAATGN 720
NNNNCNCCTC CNCTNGTCCN NAATCNCCAN C 751
Company of the control of the contro
(2) INFORMATION FOR SEQ ID NO:40:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 753 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:
(***) OPSOURCE DESCRIPTION: SEG ID NO:40:
GTCGTATTTT CTCTAAGAMG AGGTCTTTGCT COCTATA
GTGGTATTTT CTGTAAGATC AGGTGTTCCT CCCTCGTAGG TTTAGAGGAA ACACCCTCAT 60
AGATGAAAAC CCCCCGAGA CAGCAGCACT GCAACTGCCA AGCAGCCGGG GTAGGAGGGG 120
CGCCCTATGC ACAGCTGGGC CCTTGAGACA GCAGGGCTTC GATGTCAGGC TCGATGTCAA 180
TGGTCTGGAA GCGGCGGCTG TACCTGCGTA GGGGCACACC GTCAGGGCCC ACCAGGAACT 240
TCTCAAAGTT CCAGGCAACN TCGTTGCGAC ACACCGGAGA CCAGGTGATN ACCTTGCGCT

CGGTCATAAN CGCGGTGGCG TCGTCGCTGG ATAAAAGGTG CGCCCCGCA CCGTTCANCT CNAACCCACC ACCANNCCGG ACTTCCTTGA TTCTNCTGAT GCCCTANCTG GTTGCCCNGN AAANCACCCN CCTCCTCNTT TCATCTGGGT GGANCCCATA TCTCNACCAN TACTCACCNT TTCCCNCCCG NCCTCTGGCC CNTCAAANAN TNCCCTATCT GNACCCNCN TTTGTCTCAN	CGCACTTCTC NGGAATTCCC ATGCCAANCA TNTTNTCCCC NCCCCCCCNT GCTTNCACNA	NAANACCATG AAATCTCTTC NCCCCAANCC GGACCNTGGT GNNACCCANC CCTGGGTCTG	ANGTTGGGCT GNTCTTGGGC CCGGGGTCCT TCCTCTCAAG CTTCTANNGN CCTTCCCCC	360 420 480 540 600 660 720 753
(2) INFORMATION FOR SEQ ID NO:41				ing til gar i til Sammar i still st
(i) SEQUENCE CHARACTERISTICS  (A) LENGTH: 341 base pa  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	airs	*		
(ii) MOLECULE TYPE: cDNA		Postania in Linda		:
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sap	iens		. 1	
(xi) SEQUENCE DESCRIPTION: S	EQ ID NO:41	: · · · · · · · · · · · · · · · · · · ·	the second	
ACTATATCCA TCACAACAGA CATGCTTCAT AGTGAACCCA TCCTTGATTT ATATACATAT TTCTTTAAAC CTTGTTCATT ATGAACACTG TATAGCTTGT TTACGTAGTA AGTTTTTGAA TGTTAAACTG TGATTTTTAA AAAATATCAT TTTTACTTTT TGATTAATTG TGTTTTATAT	ATGTTCTCAG AAAATAGGAA GTCTÄCATTC TTGAGAATAT ÄTTÄGGGTAG	TATTTTGGGA TTTGTGÄAGA ÄÄTCCAGACA TCTTTCAGAG T	GCCTTTCCAC GTTAAAAAGT CTTAGTTGAG GTATTTCAT	120 180 240
(2) INFORMATION FOR SEQ ID NO:42				e la figure. Maria e e e La figure figure.
(i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 101 base p  (B) TYPE: nucleic acid  (C) STRANDEDNESS: sing  (D) TOPOLOGY: linear	le			
(ii) MOLECULE TYPE: cDNA	en magazione di Pro- Li nombre di Pro-			
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sap	oiens			
(xi) SEQUENCE DESCRIPTION: S	EQ ID NO:42	2 i 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A
ACTTACTGAA TTTAGTTCTG TGCTCTTCCTGTTCCAAACA TTCTAAATAA ATAATTTCA			A ATACTTTGAT	60 101
(2) INFORMATION FOR SEQ ID NO:43	3:			
(i) SEQUENCE CHARACTERISTIC  (A) LENGTH: 305 base p  (B) TYPE: nucleic acid  (C) STRANDEDNESS: sing	oairs 1			

(D) TOPOLOGY: linear of the second of the se	
(ii) MOLECULE TYPE: CDNA	
(11) MOLECULE TYPE: CDNA	1500
ニー・キー・トリナヴ・1・4 (1) (2) (1) (1) ・ナラグア アート・トラン・オー・カー・ロー・ロー・ロー・ロー・ロー・ロー・ロー・ロー・ロー・ロー・ロー・ロー・ロー	
(VI) ORIGINAL BOURCE:	
W OKOMIEM. HOMO Sprens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:43:	P 1
ACATCTTCT TACACTCTA CATCTCTTCT TACACTCT	
ACATCTTTGT TACAGTCTAA GATGTGTTCT TAAATCACCA TTCCTTCCTG GTCCTCACCC TCCAGGGTGG TCTCACACTG TAATTAGAGC TATTGAGGAG TCTTTACAGC AAATTAAGAT	.6
TCAGATGCCT TGCTAAGTCT AGAGTTCTAG AGTTATGTTT CAGAAAGTCT AAGAAACCCA	12
CCICITGAGA GGTCAGTAAA GAGGACTTAA TATTTCATAT CTACAAAARG. ACCAGAGAGA	18
TGGATACAGA ACGAGAGTTA TCCTGGATAA CTCAGAGCTG AGTACCTGCC CGGGGGCCGC	24
	30
A DESCRIPTION OF THE PROPERTY	30
(2) INFORMATION FOR SEQ ID NO:44:	
nt part file a more than a mor	
(1) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 852 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: CDNA	<i>i</i> : `
in the control of the	
(vi) ORIGINAL SOURCE:	
Constitution in the state of th	7.77
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:44:	*** No. 2
ACATAAATAT CAGAGAAAAG TAGTCTTTGA AATATTTACG TCCAGGAGTT CTTTGTTTCT	-60
GALLALLIGG TGTGTGTTT GGTTTGTGTC CAAAGTATTG GCAGCTTCAC TTTTTCACTTTTT	120
CICICCATCC TCGGGCATTC TTCCCAAATT TATATACCAG TCTTCCTCCA TCGACAGGG	180
CCAGAATTIC TCTTTTGTAG TAATATCTCA TAGCTCGGCT GAGCTTTTTCA TAGCTCATGG	240
TGCIGITGIT CITCITITIA CCCCATAGCT GAGCCACTGC CTCTGATTTC AAGAAGCTGA	300
AGACGUCUTU AGATUGGTUT TUCCATTTA TTAATUUTGG GTTUTTUTUTU COGUUTA AGA	360
GGAIGICGCG GAIGAATICC CATAAGIGAG TCCCTCTCCCC CTTCTCCCTTT TTTCCTCCTTT	420
ACTIGGCAGG GGGGTCTTGC TCCTTTTTCA TATCAGGTGA CTCTCGAAGA GGAAGGTGAG	480
IGGIGGTIGT CATGGAGATC TGAGCCCGGC AGAAAGTTTT GCTGTCCAAC AAATCTACTC	540
IGCIACCAIA GITGGIGICA TATAAATAGI TCTNGTCTTT CCAGGTGTTC ATGATGGAAG	600
GCTCAGTTTG TTCAGTCTTG ACAATGACAT TGTGTGTGGA CTGGAACAGG TCACTACTGC	660
ACTGGCCGCT CAACTCAGA TGCTGCAAGT TGCTGTAGAG GAGNTGCCCC GCCGTCCCTG	720
CCGCCCGGGT GAACTCCTGC AAACTCATGC TGCAAAGGTG CTCGCCGTTG ATGTCGAACT	780
ENTGGAAAGG GATACAATTG GCATCCAGCT GGTTGGTGTC CAGGAGGTGA TGGAGCCACT	840
	852
(2) INFORMATION FOR SEQ ID NO:45:	
THIORIMITON FOR SEQ ID NO:45:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 234 base pairs	
(B) TYPE: nucleic acid	

(C) STRANDEDNESS: single (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA	8.		
(vi) OPICINAL SOURCE.	the state of the s		•
(A) ORGANISM: Homo sapiens			•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:45			*
(XI) SEQUENCE DESCRIPTION. SEQ. 15 No. 43			4
	Ommoo 2 00 2 2	macomorpioco ·	60
ACAACAGACC CTTGCTCGCT AACGACCTCA TGCTCATCAA	GTTGGACGAA	- ICCGIGICCG	120
AGTCTGACAC CATCCGGAGC ATCAGCATTG CTTCGCAGTG	CCCTACCGCG	GGGAACTCTT	
GCCTCGTTTC TGGCTGGGGT CTGCTGGCGA ACGGCAGAAT	GCCTACCGTG	CTGCAGTGCG	180
TGAACGTGTC GGTGGTGTCT GAGGAGGTCT GCAGTAAGCT	CTATGACCCG	CTGT	234
			-
(2) INFORMATION FOR SEQ ID NO:46:	*		* *
(2)	•	- «	
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 590 base pairs	-	•	
(B) TYPE: nucleic acid	3. 4.±94	j*	•
	1	÷1	•
(C) STRANDEDNESS: single		· "	
(D) TOPOLOGY: linear		ta v	
(ii) MOLECULE TYPE: cDNA		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
•			
(vi) ORIGINAL SOURCE:			•
(A) ORGANISM: Homo sapiens	, ,		
(xi) SEQUENCE DESCRIPTION: SEQ IC NO:46	· 100 100 100 100 100 100 100 100 100 10	1 7: 00:00	
ACTTTTATT TAAATGTTTA TAAGGCAGAT CTATGAGAAT	GATAGAAAAC	ATGGTGTGTA	60
FITTGATAGC AATATTTTGG AGATTACAGA GTTTTAGTAA	TTACCAATTA	CACAGTTAAA	120
AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT	GAAAGATCAA	GGCAGGAAAA	180
TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT			240
AAAGCTTCA AAANAANAA TTATTGCAGT CTANTTAATT	CAAACAGTGT	TAAATGGTAT	300
CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTTTCAC	ሚግርአጥርጥልልር	NCACCCANAT	360
TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG	CCAACTANTC	AACCTCTTC	420
TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG	GGAAGTANIC	CACCTCCCAC	480
TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT	CCTCTGGAGA	CAGCIGCCAG	
GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG	GATGAAAAAG	GACACATGCT	540
GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC	AGTCACATGT		590
(2) INFORMATION FOR SEQ ID NO:47:			
• .			•
(i) SEQUENCE CHARACTERISTICS:	•		
(A) IENCTU. 774 hage naire			• *
(B) TYPE: nucleic acid	*: * .	1.40	
(C) STRANDEDNESS: single		÷ .	
<ul><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	do to de la		
(D) TOPOLOGY: linear	• • • • • • • • • • • • • • • • • • • •		
	a sees of	1 9 5 4 2 3.	1.20
(ii) MOLECULE TYPE: cDNA	e e e e e e e e e e e e e e e e e e e		ring. Single Sala
			•
(vi) ORIGINAL SOURCE:	" '		
(A) ORGANISM: Homo sapiens			
	. · · · · · · · · · · · · · · · · · · ·		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:47	Name and state		
ACAAGGGGC ATAATGAAGG AGTGGGGANA GATTTTAAAG			60
		. •	

TGAACAGAAT TTTCCTGNAC AACGGGGCTT CAAAATAATT TTCTTGGGGA GGTTCAAGAC

GCTTCACTGC TTGAAACTTA AATGGATGTG GGACAN	NAATT TTCTGTAATG ACCCTGAGGG 18	0
CATTACAGAC GGGACTCTGG GAGGAAGGAT AAACAC	GAAAG GGGACAAAGG CTAATCCCAA 24	n
AACATCAAAG AAAGGAAGGT GGCGTCATAC CTCCCA	AGCCT ACACAGTTCT CCAGGGCTCT 30	-
CCTCATCCCT GGAGGACGAC AGTGGAGGAA CAACTC		-
CTCCCTCCTC CTCTTCACCC CCCACTCTCC CAACTC	ACCA TGTCCCCAGG CTCCTGTGTG 36	
CTGGCTCCTG GTCTTCAGCC CCCAGCTCTG GAAGCC	CACC CTCTGCTGAT CCTGCGTGGC 42	0
CCACACTCCT TGAACACACA TCCCCAGGTT ATATTC	CTGG ACATGGCTGA ACCTCCTATT 48	0
CCTACTTCCG AGATGCCTTG CTCCCTGCAG CCTGTC	CAAAA TCCCACTCAC CCTCCAAACC 54	0
ACGGCATGGG AAGCCTTTCT GACTTGCCTG ATTACT	CCAG CATCTTGGAA CAATCCCTGA 60	o
TTCCCCACTC CTTAGAGGCA AGATAGGGTG GTTAAG	AGTA GGGCTGGACC ACTTGGAGCC 66	-
AGGCTGCTGG CTTCAAATTN TGGCTCATTT ACGAGC	TATE GGACCTTGGG CAAGTNATCT 72	-
TCACTTCTAT GGGCNTCATT TTGTTCTACC TGCAAA		-
	ATGG GGGATAATAA TAGT 77	4
(2) INFORMATION FOR SEQ ID NO:48:		
(2) INFORMATION FOR SEQ ID NO:48:	(14) (15) (15) (15) (15) (15) (15) (15) (15	
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 124 base pairs	and the second of the second o	
(B) TYPE: nucleic acid	The first of a special state of the first of the second	
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: cDNA		
(==/		
(vi) ORIGINAL SOURCE:	()	
	to the second of the second	
(A) ORGANISM: Homo sapiens	· 网络克尔 的复数人名 网络克尔克	
	• • •	
(xi) SEQUENCE DESCRIPTION : SEQ ID NO	<b>0:48:</b> 471.	
(xi) SEQUENCE DESCRIPTION : SEQ ID NO		
CANAAATTGA ;AATTTTATAA AAAGGCATTT ;TTCTCT	PATA TCCATAAAAT GATATAATTT	)
CANAAATTGA ;AATTTTATAA AAAGGCATTT ;TTCTCT TTGCAANTAT ;ANAAATGTGT ;CATAAATTAT ;AATGTTC	PATA TCCATAAAT GATATAATTT CCTT AATTACAGCT CAACGCAACT 120	١-
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTT( TGGT	PATA TCCATAAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	١-
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTT( TGGT	FATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	١-
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTT TGGT (2) INFORMATION FOR SEQ ID NO:49:	PATA TCCATAAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTT TGGT (2) INFORMATION FOR SEQ ID NO:49:	PATA TCCATAAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTT( TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:	FATA TCCATAAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTO TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs	FATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTO TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs	FATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: aingle	FATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: aingle	FATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	FATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 .1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	FATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 .1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO	PATA TCCATAAAT GATATAATTT 660 CCTT AATTACAGCT CAACGCAACT 120 .124	•
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO	PATA TCCATAAAT GATATAATTT 600 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO GCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTGT CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANTT	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.27 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO GCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTGT TGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANTT TTAGGGCACC CATATCCCAA GCANTGT	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO GCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTGT CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANTT	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.27 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO GCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTGT TGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANTT TTAGGGCACC CATATCCCAA GCANTGT	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.27 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTG TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO GCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTGT TGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANTT TTAGGGCACC CATATCCCAA GCANTGT	PATA TCCATAAAT GATATAATTT 60 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.27 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTC TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO ECCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTGT CGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANTT TTAGGGCACC CATATCCCAA GCANTGT  (2) INFORMATION FOR SEQ ID NO:50:  (i) SEQUENCE CHARACTERISTICS:	PATA TCCATAAAAT GATATAATTT 600 CCTT AATTACAGCT CAACGCAACT 120 124 124 124 125 127 127 127 128 129 120 120 127	
CANAAATTGA AATTTTATAA AAAGGCATTT TTCTCT TTGCAANTAT ANAAATGTGT CATAAATTAT AATGTTG TGGT  (2) INFORMATION FOR SEQ ID NO:49:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO GCCGATGCTA CTATTTTATT GCAGGAGGTG GGGGTGT TGTGGCTACA GGTGGTGTCT GACTGCATNA AAAANTT TTAGGGCACC CATATCCCAA GCANTGT	PATA TCCATAAAAT GATATAATTT 600 CCTT AATTACAGCT CAACGCAACT 120 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	

(ii) MOLECULE TYPE: cDNA		
(11) NOLLOULS 11111 COM-		
(vi) ORIGINAL SOURCE:	The state of the state of	
(A) ORGANISM: Homo sapiens		
(xi) SEQUENCE DESCRIPTION: SEQ I	·	
ACATTAAATT AATAAAAGGA CTGTTGGGGT TCT	GCTAAAA CACATGGCTT GATATATTGC	60
ATGGTTTGAG GTTAGGAGGA GTTAGGCATA TGT		107
(2) INFORMATION FOR SEQ ID NO:51:	and the second of the second o	
(i) SEQUENCE CHARACTERISTICS:		
	$\mathcal{S}_{i} = \{ (i,j) \in \mathcal{M}_{i} \mid i \in \mathcal{M}_{i} : i $	
(B) TYPE: nucleic acid	•	
(C) STRANDEDNESS: single (C)	The second of th	
(D) TOPOLOGY: Inear (C. 5);	in a thing below the Market Market in the first section of the first sec	
(ii) MOLECULE TYPE: cDNA		
		1.00
(vi) ORIGINAL SOURCE:	$\mathbb{K}[M]$ . Explored that $\mathbb{K}[M]$ is $\mathbb{K}[M]$ and $\mathbb{K}[M]$ in $\mathbb{K}[M]$	17 24
(A) ORGANISM: Homo sapiens	garan ara da da da da kababatan bara da	24
Let the result of the ADDM	graphic grant which you also be a control of the c	. 12 / 25
(xi) SEQUENCE DESCRIPTION: SEQ I	D NO:51:	
GTCCTAGGAA GTCTAGGGGA CACACGACTC TGG CGGGAAGGAA AGGCAGAGAA GTGACACCGT CAG GCCTTGCAAG GTCAGAAAGG GGACTCAGGG CTT CCTCCCTTTT GGGACCAGCA ATGT	GGGGAAA TGACAGAAAG GAAAATCAAG	60 120 180 204
C01000!111 C0010		
(2) INFORMATION FOR SEQ ID NO:52:		•
(i) SECTIONCE CHARACTERISTICS:	1 2 1 1	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 491 base pairs		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 491 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>		
(A) LENGTH: 491 base pairs		
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid		
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single		
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		:
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens		:
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		:
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ I	D NO:52:	
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ I	D NO:52:	60
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ I	D NO:52: TGATAGTT TTAAAGGTTA GTATTGTGTA AGGTAAAA AGTTAGAAAT GTATAAAACA	60
(A) LENGTH: 491 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ I  ACAAAGATAA CATTTATCTT ATAACAAAAA TTT  GGGTATTTTC CAAAAGACTA AAGAGATAAC TCA  CCATCAGACA GGTTTTTAAA AAACAACATA TTA  AAAACTTCTT GTATCAATTT CTTTTGTTCA AAA	D NO:52:  GATAGTT TTAAAGGTTA GTATTGTGTA AGGTAAAA AGTTAGAAAT GTATAAAACA ACAAAATT AGACAATCAT CCTTAAAAAA ATGACTGA CTTAANTATT	60 120
(A) LENGTH: 491 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ I  ACAAAGATAA CATTTATCTT ATAACAAAAA TTT GGGTATTTTC CAAAAGACTA AAGAGATAAC TCA CCATCAGACA GGTTTTTAAA AAACAACATA TTA AAAACTTCTT GTATCAATTT CTTTTGTTCA AAA TCANAAACAC TTCCTCAAAA ATTTCAANA TGG	D NO:52:  GATAGTT TTAAAGGTTA GTATTGTGTA AGGTAAAA AGTTAGAAAT GTATAAAACA ACAAAATT AGACAATCAT CCTTAAAAAA ATGACTGA CTTAANTATT GTAGCTTT CANATGTNCC CTCAGTCCCA	60 120 180
(A) LENGTH: 491 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ I  ACAAAGATAA CATTTATCTT ATAACAAAAA TTT  GGGTATTTTC CAAAAGACTA AAGAGATAAC TCA  CCATCAGACA GGTTTTTAAA AAACAACATA TTA  AAAACTTCTT GTATCAATTT CTTTTGTTCA AAA	ED NO:52:  GGATAGTT TTAAAGGTTA GTATTGTGTA AGGTAAAA AGTTAGAAAT GTATAAAACA ACAAAATT AGACAATCAT CCTTAAAAAA ATGACTGA CTTAANTATT TTTAAATATT GTAGCTTT CANATGTNCC CTCAGTCCCA FTACCACC CACCACAAGC TTTCTGGGGC	50 120 180 240

CAATTTATT TGGATAACAA AGGGTCTCCA AATTATATTG	AAAAATAAAT CCAAGTTAAT	486
ATCACTCTTG T		49:
(2) THEODMANTON BOD ODG TO NO 52	4. 40	
(2) INFORMATION FOR SEQ ID NO:53:		
(i) SEQUENCE CHARACTERISTICS:	and the second second	
(A) LENGTH: 484 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
THE STATE OF THE S	The first of the Armer of the	
(ii) MOLECULE TYPE: cDNA		
(vi) ORIGINAL SOURCE:	. 16. ili gega sa glacita jeka ili.	
(A) ORGANISM: Homo sapiens		
01.33	and the transport of the state of the state of	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:53:		
ACATAATTTA GCAGGGCTAA TTACCATAAG ATGCTATTTA	TIPA ANA COUNT DATION DOMON	60
GTATTAACAG TTGCTGAAGT TTGGTATTTT TATGCAGCAT		
ACTACAGAAC CCTTAAGGAC ACTGAAAATT AGTAAGTAAA	CETTCACA A C. APPEA COTTOCT	120
CAATCAAATC TCTACATAAC ACTATAGTAA TTAAAACGTT	GIICAGAAAC ATTAGCTGCT	180
GCACTAGTAT ANACCGCTCC TGTCAGGATA ANACTGCTTT	AAAAAAAGT GTTGAAATCT 2	240
AGCTTTGANT TTCTTTGTGC TGATANGAGG AAAGGCTGAA	GGAACAGAAA GGGAAAAANC 3	00
ANTITIONAL TICTITOTOC TOATANGAGO AAAGGCTGAA	Tracepret Geerereet	60
AATGATTGGC AGGTCNGGTA AATNCCAAAA CATATTCCAA	CICAACACIT CTTTTCCNCG 4	20
TANCTTGANT CTGTGTATTC CAGGANCAGG CGGATGGAAT CANT		80
WHINI	. Dina garaga in this that 4	84
(2) INFORMATION FOR SEQUID NO:5446 9000 DO	UBDATA KARIN 1990 Profes	177
NOT THE BUILDING A SHELL A MARKETED AT THE	LE MITTO DE MAN DE LES DE LA CONTRACTORNA	14.
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 151 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		•
(D) TOPOLOGI: Tinear		
(ii) MOLECULE TYPE: cDNA	HARA CONTRACTOR CAN	
	to the state of th	
	term Differ to California (1)	
(A) ORGANISM: Homo sapiens		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:	and North	
ACTAAACCTC GTGCTTGTGA ACTCCATACA GAAAACGGTG	ogrmagamar rangaman	
CACTGGGTA TACTGCTGAC AACCGCAACA ACAAAACGG A		
CTATGTCCT CTCAAGTGCC TTTTTGTTTG T		20
	na kanada na waka a ka	51
2) INFORMATION FOR SEQ ID NO:55:		
		• )
(i) SEQUENCE CHARACTERISTICS:		•
(A) LENGTH: 91 base pairs		•
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	3.1 T T 4.4 P 32 T 3 T 1 T 1	
(D) TOPOLOGY: linear		

	(ii)	MOLECULE TYPE: cDNA		•	•
	(375)	ORIGINAL SOURCE:	•		
	(41)	(A) ORGANISM: Homo sapiens	ř	1.47	v.
	(vi)	SEQUENCE DESCRIPTION: SEQ ID NO			
	(362)	A 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
ACC	rggcT	RG TCTCCGGGTG GTTCCCGGCG CCCCCC			
	TCCA	T GGATACTCGA GCCAAAGTGG T	12 80 4 44	and a first of A	. 91
•		and the properties and the first for	12 12 12 12 13	the second of the second	1
(2)	INFO	RMATION FOR SEQ ID NO:56:			
			• •	14 4.5 × +	7
	(i)	SEQUENCE CHARACTERISTICS:			
		(A) LENGTH: 133 base pairs	1 1 7 A B B 1 1 5 B		. •
		(B) TYPE: nucleic acid			
		(0, 01141102211200 0111310	450 A 100 5 4		
		(D) TOPOLOGY: linear	rapers Inc		
				•	
	(i.i)	TOLLEGED III C. C.	internal de la companya della companya de la companya de la companya della compan		
	, .,		The Substitute of the State of		
	(VI)	ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens		er en	
		(A) ORGANISM: HOMO Bapiens	~		
	(xi)	SECHENCE DESCRIPTION: SEC ID NO	):56:		1
٠.	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	):56: 		
GGC			. t. sz. ku. 11 – 13	TANK TO LOCAL	
	GATG'	6 to	TAT GTAAGGGA	CT TGAGTATACI	60
TGG	GATG'	IG CGTIGGTTAT ATACAAATAT GTCATTI IG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT	TTAT GTAAGGGAC	CT TGAGTATACT	60 120 133
TGG/	GGATG'	IG CGTIGGTTAT ATACAAATAT GTCATTI IG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT	TTAT GTAAGGGAC	CT TGAGTATACT	60 120 133
TGG/	GGATG'	IG CGTIGGTTAT ATACAAATAT GTCATTI IG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT RMATION FOR SEO ID NO:57:	TTAT GTAAGGGAC	CT TGAGTATACT	60 120 133
TGGA AAGG	GGATG' ATTTT' GGACA	IG CGTTGGTTAT ATACAAATAT GTCATTI IG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT RMATION FOR SEQ ID NO:57:	TTAT GTAAGGGAC	CT TGAGTATACT	60 120 133
TGG/ AAG( (2)	GGATG' ATTTT' GGACA	IG CGTTGGTTAT ATACAAATAT GTCATTI IG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT  RMATION FOR SEQ ID NO:57:	TTAT GTAAGGGAC	CT TGAGTATACT	60 120 133
TGGA AAGG	GGATG' ATTTT' GGACA	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG/ AAG( (2)	GGATG' ATTTT' GGACA	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG/ AAG( (2)	GGATG' ATTTT' GGACA	G CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG/ AAG( (2)	GGATG' ATTTT' GGACA	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG AAG (2)	GGATG' ATTTT' GGACAI INFOI	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG AAG (2)	GGATG' ATTTT' GGACAI INFOI	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG AAG (2)	GGATG' ATTTT' GGACA INFO (i)	IG CGTTGGTTAT ATACAAATAT GTCATTI IG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA	TTAT GTAAGGGACAGGA ACCAATACC	T TGAGTATACT	60 120 133
TGG AAG (2)	GGATG' ATTTT' GGACA INFO (i)	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE:	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG AAG (2)	GGATG' ATTTT' GGACA INFO (i)	IG CGTTGGTTAT ATACAAATAT GTCATTI IG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA	TTAT GTAAGGGAC	T TGAGTATACT	60 120 133
TGG AAG (2)	GGATG'ATTTT'GGACAI	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	TAT GTAAGGAC	T TGAGTATACT	60 120 133
TGG AAG (2)	GGATG'ATTTT'GGACAI	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE:	TAT GTAAGGAC	T TGAGTATACT	60 120 133
TGGA AAGG (2)	GGATG' ATTTT' GGACAI INFOI  (ii)  (ii)  (vi)	TG CGTTGGTTAT ATACAAATAT GTCATTT TG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  SEQUENCE DESCRIPTION: SEQ ID NO	TTAT GTAAGGGACAGGA ACCAATACC	T TGAGTATACT	60 120 133
TGGA AAGG (2)	GGATG' ATTTT' GGACA INFO! (ii) (ii) (vi) (xi)	IG CGTTGGTTAT ATACAAATAT GTCATTTIG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	TAT GTAAGGAAAGGAAAGGAAAACAAAAAAAAAAAAAAA	T TGAGTATACT C CATGGATACC	60 120 133
TGGA AAGG (2) ACTG	GGATG' ATTTT' GGACA INFOI  (ii)  (vi)  (vi)  (xi)  CTGGAA	TG CGTTGGTTAT ATACAAATAT GTCATTT TG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  SEQUENCE DESCRIPTION: SEQ ID NO GA ACCTGAGCCG CTGCTCCGCC TCTGGGGGGCCG TGAGCCCTCCCCCCCCCC	TAT GTAAGGAAAGGAAAGGAAAACAAAAAAAAAAAAAAA	T TGAGTATACT C CATGGATACC	60 120 133
TGGA AAGG (2) ACTG	GGATG' ATTTT' GGACA INFOI  (ii)  (vi)  (vi)  (xi)  CTGGAA	TG CGTTGGTTAT ATACAAATAT GTCATTT TG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  SEQUENCE DESCRIPTION: SEQ ID NO GA ACCTGAGCCG CTGCTCCGCC TCTGGGGGGCCG TGAGCCCTTC	TAT GTAAGGAA AGGA ACCAATACO AGGA ACCAATACO AGGA GGTGATGCA AGAG GATTGTTGG	T TGAGTATACT C CATGGATACC	60 120 133
ACTO	GGATG' ATTTT' GGACA INFOI  (ii)  (vi)  (xi)  CTGGACA CANTGC	TG CGTTGGTTAT ATACAAATAT GTCATTT TG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  SEQUENCE DESCRIPTION: SEQ ID NO GA ACCTGAGCCG CTGCTCCGCC TCTGGGAGCCG CTGGGGTTC CCTTTGCGCC TGCCTCAGGGGGT  GG CTGGATNCAT GCAGGGT	TAT GTAAGGAA AGGA ACCAATACO AGGA ACCAATACO AGGA GGTGATGCA AGAG GATTGTTGO	T TGAGTATACT C CATGGATACC	60 120 133
ACTO	GGATG' ATTTT' GGACA  INFO  (ii)  (vi)  (xi)  CTGGAC CANTG	TG CGTTGGTTAT ATACAAATAT GTCATTT TG GTATCTGTGG GTTGGGGGGA CGGTCCA AC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  SEQUENCE DESCRIPTION: SEQ ID NO:58:  GA ACCTGAGCCG CTGCTCCGCC TCTGGGAGCCG CTGGGGTCCGCC TGCCTCAGGGGT  ORMATION FOR SEQ ID NO:58:	TAT GTAAGGAAAGGAAAGGAAACAAAGAAAGAAACAAAAACAAAAAA	T TGAGTATACT C CATGGATACC AN GCNGTGGCGC CC GACNTGCAN	60 120 133 2 60 120 147
ACTO	GGATG' ATTTT' GGACA  INFO  (ii)  (vi)  (xi)  CTGGAC CANTG	TG CGTTGGTTAT ATACAAATAT GTCATTT TG GTATCTGTGG GTTGGGGGGA CGGTCCAAC TGT  RMATION FOR SEQ ID NO:57:  SEQUENCE CHARACTERISTICS:  (A) LENGTH: 147 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  MOLECULE TYPE: cDNA  ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  SEQUENCE DESCRIPTION: SEQ ID NO GA ACCTGAGCCG CTGCTCCGCC TCTGGGAGCCG CTGGGGTTC CCTTTGCGCC TGCCTCAGGGGGT  GG CTGGATNCAT GCAGGGT	TAT GTAAGGAAAGGAAAGGAAACAAAGAAACAAAACAAA	T TGAGTATACT C CATGGATACC AN GCNGTGGCGC CC GACNTGCAN	60 120 133 2 60 120 147

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA		
	WE	
(vi) ORIGINAL SOURCE:	BOLLON ON THE BUILDING CONTRACTOR	
(A) ORGANISM: Homo sapiens	Strategies and the strategies of the strategies and the strategies and the strategies and the strategies and the strategies are strategies are strategies are strategies and the strategies are strategies are strategies are strategies and the strategies are strategies	
	to god or differ these or the control	
(xi) SEQUENCE DESCRIPTION: SEQ II	D NO:58:	
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ACAGGGATAT AGGTTTNAAG TTATTGTNAT TGT	AAAATAC: ATTGAATTTT CTCTATACTC	60
TGATTACATA CATTTATCCT TTAAAAAAGA TGTA		
ATTTACCAAT GAGTTACCTT GTAAATGAGA AGTC	CATCATA CONGRESS AND DONATORS OF	120
TTGACTTCTA AGTTTGGT	CATGATA GCACTGAATT TTAACTAGTT	
		198
(2) THEODINATION FOR CHO. TO THE	1907 <b>第</b> 3 图 180 28 4 41 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
(2) INFORMATION FOR SEQ ID NO:59:		
	tions with the organization of a	**
(i) SEQUENCE CHARACTERISTICS:	and the steel of better for the steel of	
(A) LENGTH: 330 base pairs	and the state of the second	
(B) TYPE: nucleic acid		•
(C) STRANDEDNESS: single	Zeven su zevens	
(D) TOPOLOGY: linear		
(b) forobodi. Timear	· ·	
(ii) NOT DOWN II INVENT	(1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965) (1965)	
(ii) MOLECULE TYPE: cDNA	as the more of Miller and the	
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	and the first the first state of	
(vi) ORIGINAL SOURCE: 今年 現 @	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
(A) ORGANISM: Homo sapiens	,	
(A) ORGANISM: Homo sapiens	,	
(A) ORGANISM: Homo sapiens	Daro (Malak Ambartan) bila alammaka akabuputak k	
(A) ORGANISM: Homo sapiens	Dero staloklambastan eta teletakoa elivegiak - E <b>no:59</b> :5 <b>9:</b> 500-okla spoletiliata etkentele	:
(A) ORGANISM: Homo sapiens  "DESCRIPTION: TOPICAL MEDICAL MEDI	 Ger erren inderen eta traden eta errenako eta erren Ger erren urren bererakoakoakoakoakoakoakoakoakoakoakoakoakoa	
(A) ORGANISM: Homo sapiens  DOTATION TO TO TO A TO	BER TEACHMEATH FOR TEACHER FOR THE PARTY OF	60
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAC  CCATTGAAAA TTATCATTAA TGATTTTAAA TGAC	DAR SARAMANANA EN TARINARA EN PREMISA ENO:59:00000000000000000000000000000000000	60
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCA  CCATTGAAAA TTATCATTAA TGATTTTAAA TGAC  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC	DEE EXACLADATA ETA TRACAS A CIVARAS ENO: 59: DECEMBER A DES ETADATA EL DARE ED AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC: ACTCAATTTT	60
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA  CCATTGAAAA TTATCATTAA TGATTTTAAA TGACT  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC	ENO: 59: DEBLECT DE LE TRANSPORTE DE LA COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DEL COMPLETA DE LA COMPLETA DEL	60 120
(A) ORGANISM: Homo sapiens  (Xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA  CCATTGAAAA TTATCATTAA TGATTTTAAA TGACAC  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC  CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC	ENO: 59: DEBLECT DE LE TRANSPORTE DE LA COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DEL COMPLETA DE LA COMPLETA DEL COMPLETA DEL COMPLETA DE LA COMPLETA DEL	60 120 180 240
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA  CCATTGAAAA TTATCATTAA TGATTTTAAA TGACT  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGCCTCAAAAACCC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUID  ACAACAATG GGTTGTGAGG AAGTCTTATC AGCA  CCATTGAAAA TTATCATTAA TGATTTTAAA TGAC  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAG  CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTG  TTTCGTCTTT ATTGGACTTC TTTGAAGAGT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGCCTCAAAAACCC TAATGATATT	60 120 180 240
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUID  ACAACAATG GGTTGTGAGG AAGTCTTATC AGCA  CCATTGAAAA TTATCATTAA TGATTTTAAA TGAC  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAG  CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTG  TTTCGTCTTT ATTGGACTTC TTTGAAGAGT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGCCTCAAAAACCC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (Xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA  CCATTGAAAA TTATCATTAA TGATTTTAAA TGACAC  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC  CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGCCTCAAAAACCC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUENCE CCATTGAAAA TTATCATTAA TGACTTTAAA TGACT CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGCCTCAAAAACCC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCA  CCATTGAAAA TTATCATTAA TGATTTAAA TGACC  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC  CAGAAGGAAT CTATTTTATC ACATGATCT CCGTC  TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:	AAACTG GTGATAGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCAG CTGTGCTCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCA  CCATTGAAAA TTATCATTAA TGATTTAAA TGACC  CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC  TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC  CAGAAGGAAT CTATTTTATC ACATGATCT CCGTC  TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs	AAACTG GTGATAGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCAG CTGTGCTCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens (Xi) SEQUENCE DESCRIPTION: SEQUENCE CCATTGAAAA TTATCATTAA TGATTTTAAA TGACACCACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTCTACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTCTTCGTCTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 175 base pairs (B) TYPE: nucleic acid	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens (XI) SEQUENCE DESCRIPTION: SEQUID  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACT CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 175 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens (Xi) SEQUENCE DESCRIPTION: SEQUENCE CCATTGAAAA TTATCATTAA TGATTTTAAA TGACACCACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTCTACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTCTTCGTCTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 175 base pairs (B) TYPE: nucleic acid	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQUID  ACAACAATG GGTTGTGAGG AAGTCTTATC AGCA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACT CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 175 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQUID  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCA CCATTGAAAA TTATCATTAA TGATTTTAAA TGACA CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACCTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQUID  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGG CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTG TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 175 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGCCTCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUID  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGG CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTG TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUID  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCATTGAAAA TTATCATTAA TGACTTACAGTCAAT AGCTTGCTAA AATGGGAGTT AACTGCAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGATCT CCGTGCTTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUID  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTG TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGG CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTG TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC-TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCATTGAAAA TTATCATTAA TGATTTTAAA TGACCACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTGCAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTGTTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCATTGAAAA TTATCATTAA TGATTTTAAA TGACCACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTGCAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTGTTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCATTGAAAA TTATCATTAA TGATTTTAAA TGACCACCACTGTGCT AGCTTGCTAA AATGGGAGTT AACTCCAGAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTCCTTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCACCATTGAAAA TTATCATTAA TGATTTTAAA TGACCACCACTGTGCT AGCTTGCTAA AATGGGAGTT AACTCCAGAGTCAAT AAATGACAAA GCCAGGGCCT ACAGCCAGAAGGAAT CTATTTTATC ACATGGATCT CCGTCCTTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCAG CTGTGC TCAAAATACC TAATGATATT	60 120 180 240 300 330
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAG CCATTGAAAA TTATCATTAA TGATTTTAAA TGACG CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID  ACCGTGGGTG CCTTCTACAT TCCTGACGGC TCCTT	NO: 59: DECLE TO THE TOTAL STATES OF THE TOTAL SO THE TOT	60 120 180 240 300 330
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAG CCATTGAAAA TTATCATTAA TGATTTTAAA TGACG CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID  ACCGTGGGTG CCTTCTACAT TCCTGACGGC TCCTT GTCGTGGGCT CCTTCCTCTT CATCCTCATC CAGCT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT  NO:60:	60 120 180 240 300 330 330
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAG CCATTGAAAA TTATCATTAA TGATTTTAAA TGACG CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID  ACCGTGGGTG CCTTCTACAT TCCTGACGGC TCCTT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT  NO:60:	60 120 180 240 300 330
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQUENCE  ACAACAAATG GGTTGTGAGG AAGTCTTATC AGCAG CCATTGAAAA TTATCATTAA TGATTTTAAA TGACG CACCTGTGCT AGCTTGCTAA AATGGGAGTT AACTC TACAGTCAAT AAATGACAAA GCCAGGGCCT ACAGC CAGAAGGAAT CTATTTTATC ACATGGATCT CCGTC TTTCGTCTTT ATTGGACTTC TTTGAAGAGT  (2) INFORMATION FOR SEQ ID NO:60:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 175 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID  ACCGTGGGTG CCTTCTACAT TCCTGACGGC TCCTT GTCGTGGGCT CCTTCCTCTT CATCCTCATC CAGCT	AAACTG GTGATGGCTA CTGAAAAGAT AAGTTA TCAAAAACTC ACTCAATTTT CTAGAG CAAATATAGT ATCTTCTGAA GTGGTT TCCAGACTTT CCAGACCCAG CTGTGC TCAAAATACC TAATGATATT  NO:60:	60 120 180 240 300 330 330

(i) s	BEQUENCE CHARACTERISTICS:  (A) LENGTH: 154 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear			
(ii) M	OLECULE TYPE: cDNA	- W.	eration of the second	
(vi) C	ORIGINAL SOURCE:	adar in the set of th	erent de la companya	r
	(A) ORGANISM: Homo sapiens	13.0		
3.5	SEQUENCE DESCRIPTION: SEQ ID	•		*
GGTTGTTGCT	T TCCTCCTGTG AGCAGTCTGG ACTT CTTCAACAGT ATCCTCCCCT TTCC AGCCCCGGGG CTCCACATTG CTGT	GGATCT GCTGAGCCG	T GAGGGTGAGT G ACAGCAGTGC	60 120 154
(2) INFORM	MATION FOR SEQ ID NO:62:			
(i) <b>s</b>	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 30 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear		n de la lación de la lación de la lación de la	
(ii) I	MOLECULE TYPE: cDNA	ting. Kabupatèn		
(vi) (	ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:62:	m daybar daybaran mada sa	
CGCTCGAGC	C CTATAGTGAG TCGTATTAGA	n se se prototorio del Menostrologos		30
(2) INFOR	MATION FOR SEQ ID NO:63:	inde dy Lagrande († 1947) Linn Maria		M. Ş.J. D. J.J.
(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 89 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear			• :
(ii)	MOLECULE TYPE: cDNA	00.		•
(vi)	ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	and the second		÷
(xi)	SEQUENCE DESCRIPTION: SEQ II	NO:63:	1	
ACAAGTCAT CTGTATGAA	T TCAGCACCCT TTGCTCTTCA AAA AT AAAAATGGTT ATGTCAAGT			60 89
	•	* * * * *		

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 97 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
<pre>(vi) ORIGINAL SOURCE:     (A) ORGANISM: Homo sapiens</pre>	en e
(xi) SEQUENCE DESCRIPTION: SEQ ID	and the second s
ACCGGAGTAA CTGAGTCGGG ACGCTGAATC TGAA AATCAGTGCA TCCAGGATTG GTCCTTGGAT CTGC (2) INFORMATION FOR SEQ ID NO:65:	<b>97</b>
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: ODNA	i digelal orași traj ĝi tem la como m 1 digi i est la espata a cett la come come.
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	en e
(xi) SEQUENCE DESCRIPTION: SEQ ID	
ACAACAANAA NTCCCTTCTT TAGGCCACTG ATGGA GCATGGCGTC CTAGGCCTTG ACACAGCGGC TGGGG CCAACCCTGG TCTACCCACA NTTCTGGCTA TGGGC CCGGTCATAA NATGAAATCC CAANGGGGAC AGAGG GGTGCTGTTT GCTCAGCCAG AAAACAGCTG CCTGG CGGGGGTGAA CTACCCCCAN GAGGAATCAT GCCTG GGGCGGAGG AGCATGT	TTTGG GCTNTCCCAA ACCGCACACC 120 TGTCT CTGCCACTGA ACATCAGGGT 180 TCAGT AGAGGAAGCT CAATGAGAAA 240 CATTC GCCGCTGAAC TATGAACCCG 300
2) INFORMATION FOR SEQ ID NO:66:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 305 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID 1	<b>™</b> 0:66:

ACGCCTTTCC CTCAGAATTC AGGGAAGAGA CTGTCGCCTG CCTTCCTCCG TTGTTGCGTG

AGAACCCGTG TGCCCCTTCC CACCATATCC ACCC	CCTCGCTC CATCTTTGAA CTCAAACACG 12	0
AGGAACTAAC TGCACCCTGG TCCTCTCCCC AGTC	CCCCAGT TCACCCTCCA TCCCTCACCT 18	0
TCCTCCACTC TAAGGGATAT CAACACTGCC CAGC	CACAGGG GCCCTGAATT TATGTGGTTT 24	0
TTATATATT TTTAATAAGA TGCACTTTAT GTCA	CATTITT AATAAAGTCT GAAGAATTAC 30	0
TGTTT	30	5
	Company of the Asset of the State of the Sta	
(2) INFORMATION FOR SEQ ID NO:67:	*	
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 385 base pairs		
(B) TYPE: nucleic acid	the second of th	
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear	A Company of the Comp	
(ii) MOLECULE TYPE: CDNA	ું કર્યો હતા છે. જે જે તેમ જ જો છે છે છે જે જો	
And the state of t		-
(vi) ORIGINAL SOURCE:		٠.
(A) ORGANISM: Homo sapiens		
(A) ORGANISM: Homo sapiens		
(xi) SEQUENCE DESCRIPTION: SEQ II	ID NO.67.	
(X1) SEQUENCE DESCRIPTION: SEQ 11	g and the second	
ACTACACACA CTCCACTTGC CCTTGTGAGA CACT		<b>د</b> م
GGTCGGACCA GCCACATCTC ATGTGCAAGA TTGC	CCCAGCA GACATCAGGT CTGAGAGTTC 12	
CCCTTTTAAA AAAGGGGACT TGCTTAAAAA AGAA	AAGTCTAG CCACGATTGT GTAGAGCAGC 18	
TGTGCTGTGC TGGAGATTCA CTTTTGAGAG AGT	TTCTCCTC TGAGACCTGA TCTTTAGAGG 24	
CTGGGCAGTC TTGCACATGA GATGGGGCTG GTC	TTGATCTC AGCACTCCTT AGTCTGCTTG 30	
CCTCTCCCAG GGCCCCAGCC TGGCCACACC TGC	CTTACAGG GCACTCTCAG ATGCCCATAC 36	
CATAGTTTCT GTGCTAGTGG ACCGT	ELLEVINE TO SECULIAR	
CATAGITICI GIGCIAGIGG ACCGI	The second secon	_
(2) INFORMATION FOR SEQ ID NO:68:		
	NOT A FOR THE OWNER OF THE PARTY OF THE PART	
(i) SEQUENCE CHARACTERISTICS:		
(a) represent 32 hand majors	german in die der der der der der der der der der de	٠,.
(A) LENGTH: /3 Dase pairs	က်ခြော်ကြသော ကိုည်း လည်းကိုမြော်များ သည်များ	
(C) STRANDEDNESS: single		
(C) STRANDEDNESS: SINGLE		
(b) Topologi: Timear		
(ii) MOLECULE TYPE: CDNA		
List the factor of the second		
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens	S	
(xi) SEQUENCE DESCRIPTION: SEQ I	ID NO:68:	
	Superior Services to	
ACTTAACCAG ATATATTTT ACCCCAGATG GGG		
		60
GTTTTTTAA TGG		60 73
GTTTTTTAA TGG	and the second of the second o	60 73
		60 73
GTTTTTTTAA TGG (2) INFORMATION FOR SEQ ID NO:69:	and the second of the second o	60 73
GTTTTTTAA TGG  (2) INFORMATION FOR SEQ ID NO:69:  (i) SEQUENCE CHARACTERISTICS:		60 73
(2) INFORMATION FOR SEQ ID NO:69:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 536 base pairs		60 73
GTTTTTTAA TGG  (2) INFORMATION FOR SEQ ID NO:69:  (i) SEQUENCE CHARACTERISTICS:		60 73
(2) INFORMATION FOR SEQ ID NO:69:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 536 base pairs	1	60 73

0	(ii) MOLECULE TYPE: cDNA	1"		and a state of	9-11 B 12
•	and the second second second		771 J. 1	Batty (1. for oa)	
	(vi) ORIGINAL SOURCE: A TO A	C	Maria de A	RA W	
:	(A) ORGANISM: Homo sapien	is I'm	1	OR THE MET	
	(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:69	):		
		. 7	٠. نا د	O W. 9%	ı
ACT	TAGTCCAG TGTGGTGGAA TTCCATTGTG TT	GGGGGCT	TCACCCTC	רידי בידיריביניאני	c -
TCC	CAGCTTTG TGCTCTGCCT CTGAGGAGAC CA	TGGCCCAC	CATCTGAG	TA CCCTGCTGC	ri 10
CCT	TGCTGGCC ACCCTAGCTG TGGCCCTGGC CT	GGAGCCC	AAGGAGGA	CC ATACCATAA	י יי
CCC	CGGGTGGC ATCTATAACG CAGACCTCAA TG	ATGAGTGG	GTACAGCG	TG CCCTTCACT	T 24
CGC	CCATCAGC GAGTATAACA AGGCCACCAA AG	ATGACTAC	TACAGACG	TO CCCTTCACT	T 30
ACT.	TAAGAGCC AGGCAACAGA CCGTTGGGGG GG	TGAATTAC	' ምምርጥጥር(ሺ	CG TACACCTCC	I 30 G 36
CCG	GAACCATA TGTACCAAGT CCCAGCCCAA CT	TGGACACC	TGTGCCTT	CC ATGAAGGIGG	3 36 C 43
AGA	AACTGCAG AAGAAACAGT TGTGCTCTTT CG	AGATCTAC	CAACTTCC	CC AIGAACAGC	C 42
GAA	NGTCCCT GGGTGAAATC CAGGTGTCAA GAI	AATCCTAN	CCATCTCC	CI GGGGAGAAC	
					53
(2)	INFORMATION FOR SEQ ID NO:70:	To The S	*1,2	, (2 a	V 22 -
	(i) SEQUENCE CHARACTERISTICS:	33	7	4.5	
	(A) LENGTH: 477 base pairs	•		in the	
:	(B) TYPE: nucleic acid	e Service	r <u>.</u> . " ,	, ,	e ,
	(C) STRANDEDNESS: single	ingen er vilje	inger in de service de la companya d	and the second s	r Carar Carar
	() (D) TOPOLOGY: linear (C)	- \$1) - <b>.</b>		in the term of the second of t	erani ingri
	TO LAMPOR HER PLANTS, DEDOTE	7 18 A + 83	יי שייי שייניי מיי	Table 2 Barrie	and the second of the second o
	(ii) MOLECULE TYPE: CDNA	TOTAL Y	The Mark Control	antin kanada in inggalan sa Simbalah ang ang ang ang	e iber Gebruik in
	THE TOURS OF SETTING HOW HOW LAND				
·	(vii) OPICINAL COMPON			A CONTROL OF	
	(A) ORGANISM: Homo sapiens			gar en enamen en	A
	t , seed below baptens	, २ : -		Alexander Garage	
	(xi) SEQUENCE DESCRIPTION: SEQ I	D NO.70			
				· · · · · · · · · · · · · · · · · · ·	,
ATGA	ACCCCTA ACAGGGGCCC TCTCAGCCCT CCT	AATCACC	TCCCCCCTA	C CCAMORGA mm	
CAC	CTTCCAC TCCATAACGC TCCTCATACT AGG	רריד אריד א	-ACCAACACA	C TAACCAMAMA	60
CAA	ATGATGG CGCGATGTAA CACGAGAAAG CAC	ATACCAA	GGCCACCAC	A CACCATATA	120
CAA	AAAAGGC CTTCGATACG GGATAATCCT ATT	ቸልጥሞል <b>ሮ</b> ር	TORCAROUNC	T TOTOLOGICAL TOTOLOGICA TOTOLOGI	180
\GGG	GATTTTT CTGAGCCTTT TACCACTCCA GCC	TAGCCCC	TACACAACII	A CTACCACCC	240
CTG	GGCCCCC AACAGGCATC ACCCCGCTAA ATC	CCCTAGA	AGTCCCACT	C:CTXXXXXXXXXXX	300
CGT	PATTACT CGCATCAGGA GTATCAATCA CCT	GAGCTCA	CCATACTCT	C. CIMAACACAT	360
CCG	BAAACCA AATTATTCAA AGCACTGCTT ATT	ACDATTT	TACTECCTC	A AIAGAAAACA	
		TOTAL I	TACIGGGIC	1 CIATIT	477
2)	INFORMATION FOR SEQ ID NO:71:		_	<u>.</u>	
		n de la companya de La companya de la co		A garacia	
	(i) SEQUENCE CHARACTERISTICS:	**	inger i de		,
	(A) LENGTH: 533 base pairs		garan engan		
	(B) TYPE: nucleic acid	200			
	(C) STRANDEDNESS: single			5 s	
	(D) TOPOLOGY: linear	_		en e	_
	(D) TOPOLOGI: IIMear				
	(ii) MOLECULE TYPE: CDNA		_		
	(TI) MODECODE LIBE: CDNA	•			
	(vi) OPICINAL COURCE.		••		

(A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:

1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1000 · 1	
AGAGCTATAG GTACAGTGTG ATCTCAGCTT TGCA	
AGGTATTAAT AGATATGTAA AGAAAGAAAT CACA	
TGTGATTTTA GTGGTATTTT TGGCACCCTT ATAT	
ATTATTTCCA TAACTTAAAA AGTGAGTTTG AAAA	
TAAATAAAGG TTTGTCATCT TTAAAAATAC AGCA	
AAATAGGTGT GACCCTACTA ATAATTATTA GAAA	
AGTCAGTTTG CCTTGAAAAA TATCAAATAT AACT	
CTTCGTAATT TTGGAGTANG AGGTTCCCTC CTCA	
TAAAAAAAA AATTCACAAC AGTATATAAG GCTG	FAAAAT GAAGAATTCT GCC 533
(2) INFORMATION FOR SEQ ID NO:72:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 511 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	en la companya de la
(D) TOPOLOGY: Tinear	
(ii) MOLECULE TYPE: cDNA	ing the state of the state of the state of
(vi) ORIGINAL SOURCE:	
(vi) SECUENCE DESCRIPTION: SEC ID	NO:72:
TO BUTTON TO BE A STREET OF THE STREET	taging of the state of the stat
TATTACGGAA AAACACACCA CATAATTCAA CTAN	
AAATGAAAGG CTTCCAGGCA GTTATCTGAT TAAA	
AAGCCGCAGG ATGTCTACAC TATANCAGGC GCTA	
AAACATGGAN AGATTGGTGC TGGANATCGC CGTG	
GAGGTTCTCT GTGTGCCCAC TGGTTTGAAA ACCG	
CACATGAGAA CTGAAATGGC CCAAACCCAG AAAG	AAAGCC CAACTAGATC CTCAGAANAC 360
GCTTCTAGGG ACAATAACCG ATGAAGAAAA GATG	GCCTCC TTGTGCCCCC GTCTGTTATG 420
ATTTCTCTCC ATTGCAGCNA NAAACCCGTT CTTC	
AAATACACCC CCTCTTGAAG NACCNGGAGG A	511
(2) INFORMATION FOR SEQ ID NO:73:	
(:) GROVENIAR GUARAGERIA COMPANIA	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 499 base pairs	
(B) TYPE: nucleic acid	
(G) CERTAINDEDNESS, single	
<ul><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	214 7 14
(ii) MOLECULE TYPE: CDNA 10 1001	and the resolution of the second seco
(vi) ORIGINAL SOURCE:	THE REPORT OF THE PROPERTY OF
(A) CRGANICM. Home comions	grander and the contract of th
() ODCHENOR DECORTEMION CEO ID	NO.72
CAGTGCCAGC ACTGGTGCCA GTACCAGTAC CAAT	AACAGT GCCAGTGCCA GTGCCAGCAC 60
CAGIGGIGGE ITCAGIGCIG GIGCCAGCCI GACC	GCCACI CICACATITO GGCTCTICGC 120
TGGCCTTGGT GGAGCTGGTG CCAGCACCAG TGGC	
CAAGTGAGAT TTTAGATATT GTTAATCCTG CCAG	TCTTTC TCTTCAAGCC AGGGTGCATC 240

CTCAGAAACC TACTCAACAC AGCACTCTAG GCAGCCACTA TCAATCAATT GAAGTTGACA CTCTGCATTA AATCTATTTG CCATTTCTGA AAAAAAAAA AAAAAAAGGG CGGCCGCTCG ANTCTAGAGG GCCCGTTTAA ACCCGCTGAT CAGCCTCGAC TGTGCCTTCT ANTTGCCAGC CATCTGTTGT TTGCCCCTCC CCCGNTGCCT TCCTTGACCC TGGAAAGTGC CACTCCCACT GTCCTTTCCT AANTAAAAT  (2) INFORMATION FOR SEQ ID NO:74:  (A) LENGTH: 537 base pairs	300 360 420 480 499
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	•
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:	: : - ;
CAGTITICAT TIATAANACT TTGGGTACTT ATACTAAATT ATGGTAGTTA TACTGCCTTC CAGTITGCTT GATATATTTG TTGATATTAA GATTGTTGAC TTATATTTTG AATGGTTCT ACTGAAAAAN GAATGATATA TTCTTGAAGA CATCGATATA CATTTATTTA CACTCTTGAT TCTACAATGT AGAAAATGAA GGAAATGCCC CAAATTGTAT GGTGATAAAA GTCCCGT  (2) INFORMATION FOR SEQ ID NO:75:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 467 base pairs  (B) TYPE: nucleic acid	120 180 240 300 360 420 480
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	<i>5</i> ,
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	
CAAANACAAT TGTTCAAAAG ATGCAAATGA TACACTACTG CTGCAGCTCA CAAACACCTC TGCATATTAC ACGTACCTCC TCCTGCTCCT CAAGTAGTGT GGTCTATTTT GCCATCATCA CCTGCTGTCT GCTTAGAAGA ACGCTTTCT GCTGCAANGG AGAGAAATCA TAACAGACGG TGGCACAAGG AGGCCATCTT TTCCTCATCG GTTATTGTCC CTAGAAGCGT CTTCTGAGGA TCTAGTTGGG CTTTCTTTCT GGGTTTGGGC CATTTCANTT CTCATGTGTG TACTATTCTA 30	20 80 40 00 60

(2) INFORMATION FOR SEQ ID NO:76:	•
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid	e Garage a Steel Steel and the second of
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(D) TOPOLOGY: linear	
310	
(ii) MOLECULE TYPE: cDNA	
(II) MODECODE IIID. Cold.	
·	
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	"我们就是我们的。"
(A) ORGANISM: HOMO Sapiens	va fil i a .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:76:	***
AAGCTGACAG CATTCGGGCC GAGATGTCTC GCTCCGTGGC CTTAGCTGTG	CTCGCGCTAC 60
TCTCTCTTTC TGGCCTGGAG GCTATCCAGC GTACTCCAAA GATTCAGGTT	TACTCACGTC 120
ATCCAGCAGA GAATGGAAAG TCAAATTTCC TGAATTGCTA TGTGTCTGGG	TTTCATCCÁT 180
CCCACATTGA ACTTGACTTA CTGAAGAATG GAGAGAGAAT TGAAAAAGTG	GAGCATTCAG 240
ACTIGITATE CAGCAAGGAC TGGTCTTTCT ATCTCTTGTA CTACACTGAA	TTCACCCCCA 300
CTGAAAAAGA TGAGTATGCC TGCCGTGTGA ACCATGTGAC TTTGTCACAG	CCCAAGATNG 360
TARGET TO THE TARGET TO A CONCINE CATGGGAGGT	400
TTNAGTGGGA TCGANACATG TAAGCAGCAN CATGGGAGGT	
(2) INFORMATION FOR SEQ ID NO:77:	
and the second of the second o	Signature of the affect of
(D) TOPOLOGY: Finear 1974 to 12 to 14 to 15 to 1	1.00
(ii) MOLECULE TYPE: CDNA:	Harry Commence of the State of the
(ii) MOLECULE TYPE: CDNA:	The state of the state of the state of
(vi) ORIGINAL SOURCE:	- 1-1
(A) ORGANISM: Homo Sapiens	
· ·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:77:	
CTGGAGTGCC TTGGTGTTTC AAGCCCCTGC AGGAAGCAGA ATGCACCTTC	TGAGGCACCT 60
CCACCTCCC CCCCCGCGGA TGCGAGGCTC GGAGCACCCT TGCCCGGCTG	TGATTGCTGC 120
GAGGACTOT TOATCTCAGO TITTCTGTCC CTTTGCTCCC GGCAAGCGCT	TCTGCTGAAA 180
GTTCATATCT GGAGCCTGAT GTCTTAACGA ATAAAGGTCC CATGCTCCAC	CCGAAAAAAA 240
	440
	· · · · · · · · · · · · · · · · · · ·
(2) INFORMATION FOR SEQ ID NO:78:	
· · · · · · · · · · · · · · · · · · ·	* Company (1997)
(i) SEQUENCE CHARACTERISTICS:	et a William Brown
(a) r mrows. 201 bace pairs	
(B) TYPE: nucleic acid	
(-) company DDDD cincle	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(D) TOPOLOGY: 11near	
(ii) MOLECULE TYPE: CDNA	

(vi) ORIGINAL SOURCE:

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#### (A) ORGANISM: Homo sapiens

(X1)	SEQUENCE	DESCRIPTION:	SEQ	ID	NO:78:	í		

	The section of the se	
ACTAGTCCAG TGTGGTGGAA TTCCAT	TTGTG TTGGGCCCAA CACAATGGCT ACCTTTAACA 6	50
TCACCCAGAC CCCGCCCTGC CCGTGC	CCCCA CGCTGCTGCT AACGACAGTA TGATGCTTAC 12	20
TCTGCTACTC GGAAACTATT TTTATC	STAAT TAATGTATGC TTTCTTGTTT ATAAATGCCT 18	
<b>GATTTAAAAA ААААААААА</b> А	20	-
	20	11

### (2) INFORMATION FOR SEQ ID NO:79:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 552 base pairs
  - (B) TYPE: nucleic acid of a proper of the property of the prop
  - (C) STRANDEDNESS: single
  - to (D) TOPOLOGY: plinear in the first to the second of the THE SECOND OF STANDERS OF STANDARD CONTRACTOR OF SECOND SERVICE STANDARD.
- - (A) ORGANISM: Homo, sapiens PMG & FLOROCOUT CARLETTER TO PERMIT TO A CONTROL OF THE PROPERTY OF THE PROPERT
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:79:

TCCTTTTGTT	AGGTTTTTGA	GACAACCCTA	GACCTAAACT	GTGTCACAGA	CTTCTGAATG	60
TTTAGGCAGT	GCTAGTAATT	TCCTCGTAAT	GATTCTGTTA	TTACTTTCCT	ATTCTTATT	120
CCTCTTTCTT	CTGAAGATTA	ATGAAGTTGA	AAATTGAGGT	GGATAAATAC	AAAAAGGTAG	180
		AGTGCAGATG				240
ATGCAAGTTA	GTAATTACTC	AGGGTTAACT	AAATTACTTT	AATATGCTGT	TGAACCTACT	300
CTGTTCCTTG	GCTAGAAAAA	ATTATAAACA	GGACTTTGTT	AGTTTGGGAA	GCCAAATTGA	360
TAATATTCTA	TGTTCTAAAA	GTTGGGCTAT	ACATAAANTA	TNAAGAAATA	TGGAATTTTA	420
TTCCCAGGAA	TATGGGGTTC	ATTTATGAAT	ANTACCCGGG	ANAGAAGTTT	TGANTNAAAC	 480
CNGTTTTGGT	TAATACGTTA	ATATGTCCTN	AATNAACAAG	GCNTGACTTA	TTTCCAAAAA	540
ДАААААААА	AA				1111	552

### (2) INFORMATION FOR SEQ ID NO:80:

- CATHOLOGY AND AND THE TOP IN (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1476 base pairs while the transfer to the two transfer to
  - (B) TYPE: nucleic acid with war of property year your property
  - (C) STRANDEDNESS: Single Date File Control of the C
  - (D) TOPOLOGY: linear to propagation of the confirmation of the confirmati
- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:80:

	ACAGGGATTT	GAGATGCTAA	GGCCCCAGAG	ATCGTTTGAT	CCAACCCTCT	TATTTTCAGA	60
	GGGGAAAATG	GGGCCTAGAA	GTTACAGAGC	ATCTAGCTGG	TGCGCTGGCA	CCCCTGGCCT	120
	CACACAGACT	CCCGAGTAGC	TGGGACTACA	GGCACACACT	CACTCA ACCA.	GGCCCTGTTT	
,	GCAATTCACG	TTGCCACCTC	CAACTTAAAC	A TTCTTCACAGI	TOTAL MATERIA	TTAGTCACTA	180
	ልርርምዋል አ <i>አ</i> ርሞ	TTCCCACCIC	CAACITAAAC	ATTCTTCATA	TGTGATGTCC	TTAGTCACTA	240
	HOOTTAAACI	TICCCACCCA	GAAAAGGCAA	CITAGATAAA	ATCTTAGAGT	ACTTTCATAC	300

	CTAAGT CCTCTTCCAG CCTCACTTTG AGTCCTCCTT GGGGGTTGAT AGGAANTNTC 36	0
	GCTTT CTCAATAAAA TCTCTATCCA TCTCATGTTT AATTTGGTAC GCNTAAAAAT 42	0
GCTG	AAAAAA TTAAAATGTT CTGGTTTCNC TTTAAAAAAA AAAAAAAAA AAAAAAA 47	6
(2)	INFORMATION FOR SEQ ID NO:81:	
	the contract of the contract o	
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 232 base pairs	
	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single	
•	(D) TOPOLOGY: linear	
	こしは かしせし うかこうしょ 150の こんかいかいない アン・バースク 多語 こうがん こうがっこう ギュー・ディー・ディー	
, ·	(ii) MOLECULE TYPE: CDNA MARKETT CONTROLLED	
	o en profession in per encountre en tipe si interviere and interviere in 2007 en februaries and in 1970.	
1.	(vi) ORIGINAL SOURCE: A A part of the state of the black of the state	
	(A) ORGANISM: Homo sapiens	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:81:	
_	TTTTG TATGCCNTCN CTGTGGNGTT ATTGTTGCTG CCACCCTGGA GGAGCCCAGT 6	0
	TCTGTA TCTTTCTTTT CTGGGGGATC TTCCTGGCTC TGCCCCTCCA TTCCCAGCCT 12	0
	TCCCCA TCTTGCACTT TTGCTAGGGT TGGAGGCGCT TTCCTGGTAG CCCCTCAGAG 18	
ACTC	AGTCAG CGGGAATAAG TCCTAGGGGT GGGGGGTGTG GCAAGCCGGC CT 23	2
•		
(2)	INFORMATION FOR SEQ ID NO:82:	
	多数数 (1) 2	
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 383 base pairs	•
	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single	
	(D) TOPOLOGY: linear and the first of the fi	
••	(ii) MOLECULE TYPE: cDNA gray to another a second office a second of the control	
r:	The best of a feel of the second arms and the second are second as the second are seen	
1.4	(vi) ORIGINAL SOURCE: A SUPPLEMENTATION OF A SECOND OF A SECOND	
	(A) ORGANISM: Homo sapiens	
r j	in which the common was in an experience of the control of the con	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:82:	
. *		
	GGGAGC AGAAGCTAAA GCCAAAGCCC AAGAAGAGTG GCAGTGCCAG CACTGGTGCC	
	CCAGTA CCAATAACAT GCCAGTGCCA GTGCCAGCAC CAGTGGTGGC TTCAGTGCTG 12	
	CAGCCT GACCGCCACT CTCACATTTG GGCTCTTCGC TGGCCTTGGT GGAGCTGGTG	
	CACCAG TGGCAGCTCT GGTGCCTGTG GTTTCTCCTA CAAGTGAGAT TTTAGATATT 24	
	ATCCTG CCAGTCTTTC TCTTCAAGCC AGGGTGCATC CTCAGAAACC TACTCAACAC 30	
AGCA	CTCTNG GCAGCCACTA TCAATCAATT GAAGTTGACA CTCTGCATTA AATCTATTTG 36	
CCAT	TTCAAA AAAAAAAAA AAA :: 38	3
(2)	INFORMATION FOR SEQ ID NO:83:	

(i) SEQUENCE CHARACTERISTICS:

(D) TOPOLOGY: linear

(A) LENGTH: 494 base pairs

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

(11) MOLECOLE TYPE: CDNA	•
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	٠.
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:83:	
ACCGAATTGG GACCGCTGGC TTATAAGCGA TCATGTCCTC CAGTATTACC TCAACGAGCA	_
GGGAGATCGA GTCTATACGC TGAAGAAATT TGACCCGATG GGACAACAGA CCTGCTCAGC	6
CCATCCTCCT CCCTTCTCCC CACATCACAA AMACMOMOMA ASSA	12
ACGCTTCAAG GTGCTCATCA CCCACCAACC COGGGGGGGGGGGGGGGGGGGGGGGG	18
ATCTCTTTTC TCCCACCTCT TACCCCTCCCA ACACTCCC	24
AGCCCTGATG CCTTTTTTCCC ACCCATACTC TOTACTCTTTCCC ACCCATACTCTTCCC	30
TATGCTTGTG TGAGGCAATC ATCCTCCCAT CACCGATULA GGGAAGA	36
TTTCNCATAT TTTAAATTAC MACCACAATTA ATTTCACATATA ATTTCACATATA ATTTCACATATA ATTTCACATATA ATTTCACATATA ATTTCACATATA ATTTCACATATA ATTTCACATATA ATTTCACATATATAT	42
	48
AAAAAAAAA AAAA	49
(2) INFORMATION FOR SEQ ID NO:84:	٠
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 380 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	•
era en	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
en la companya de la	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:84:	
SCTGGTAGCC TATGGCGTGG CCACGGANGG GCTCCTGAGG CACGGGACAG TGACTTCCCA	· · ·
ACTATCCTCC CCCCCCCCTCT CTACCCCCCC MACCTCCC TO TOTAL TOTAL TOTAL TOTAL CONTROL OF THE CONTROL OF	60
AGGACATGG ACGTGGCCCT CATCCACCAC ACCAA CTCCT	.20
CACACCCTC CTCCCCCCA CCCCCCCACC TCCCTTCCTCCC A CTC TCCCCCCCACC	.80
iligorgoror regrearement corcorror coma a maga managament	40
CATGTTCAG TTTACACATTC CCCAAACTAC ACTGGAACACACACACACACACACACACACACACACACAC	00
AGCGTTNCCG CCTCATCCGG	60
	80
2) INFORMATION FOR SEQ ID NO:85:	٠.
(i) SEQUENCE CHARACTERISTICS: STATE OF THE S	
· /3). * **********************************	
(R) TVPP: nucloid note that the second secon	
(B) TYPE: nucleic ació	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECUTE E EVEN APPEA	
(ii) MOLECULE TYPE: cDNA	
(vi) OPIGINAL SOURCE.	

(A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:85:

GAGTTAGCTC CTCCACAACC TTGATGAGGT CGTCTGCAGT GGCCTCTCGC TTCATACCGC	60
	20
GGAAACTCTC AATCAAGTCA CCGTCNATNA AACCTGTGGC TGGTTCTGTC TTCCGCTCGG 1	80
	40
	00
	60
	20
	80
	81
	۸
(2) INFORMATION FOR SEQ ID NO:86:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 472 base pairs	•
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	• .
(D) TOPOLOGY: linear	
19g - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
(ii) MOLECULE TYPE: cDNA	••6
(金) アンドラ (金) (金) (大) とうしょうかん ぬきがらい (発) (大) (大) (大) (大) (大) (大) (大) (大)	٠
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:86:	:
AACATCTTCC TGTATAATGC TGTGTAATAT CGATCCGATN TTGTCTGCTG AGAATTCATT	60
	.20
TARACAGTGT GTCAATCTGC TCCCTTACTT TGTCATCACC AGTCTGGGAA TAAGGGTATG	80
CCCTATTCAC ACCTGTTAAA AGGGCGCTAA GCATTTTTGA TTCAACATCT TTTTTTTTGA 2	40
CACAAGICCG AAAAAAGCAA AAGIAAACAG IINIIAAIII OIIAGCCIIII ICIICIIII	00
CATGGGACAG AGCCATTIGA TITAMANOC AMATIOCATA MILITAGO TO TO TO THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TOTAL TO THE TOTAL T	60
ATAINIGAGE GGAAGANIAG CETTICIACT TEACEMONICAT CHRISTOSTIC CONTINUE	120
TGTTNACNAA AGTTATGTCT CTTACAGATG GGATGCTTTT GTGGCAATTC TG	172
(2) INFORMATION FOR SEQ ID NO:87:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 413 base pairs	
(B) TYPE: nucleic acid	•
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
and the control of th	.:
ニュー・・・・・ 34・ チェー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	•
and the control of th	
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
(A) ORGANISM: HOMO BAPTERS	17
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:87:	, ,
	60
AGAMACCAGI AICICIMAMA ACAACCICIC IIIICOTTOTO CIRCUITITITITITITITITITITITITITITITITITITIT	60 120
1GIGIGIGG CGCAIAITAL AIRGIGIGG MOMENTE TITTE THE TITTE T	120 180
CCICILIGGI AICIAIAICI GIGAAAGIII IIMIGIICIO GAIIIMIGIICIO	180 240
TIGICITCIG IGIAAAIGGI ACIAGAGIZII MOMOOTIII M	
IIIAIICGAC AIGAAGGAAA IIICCAGAIN IIGIIGIGIGIGIGIGIGIGIGIGIGIGIGIGIGIGI	300 360
GGGGACAAAG AAAAGCANAA CTGAACATNA GAAACAATTN CCTGGTGAGA AATTNCATAA	200

ACAGAAATTG GGTNGTATAT TGAAANANNG CATCATTNAA ACGTTTTTTT TITT	<b>⊹13</b>
	٠, .
(2) INFORMATION FOR SEQUID NO:88:	
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(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 448 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
	• •
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo ganiang	
(A) ORGANISM: Homo sapiens	
(vi) CPOITENCE DECORTERION OF THE	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:88:	•
CGCAGCGGGT CCTCTCTATC TAGCTCCAGC CTCTCGCCTG CCCCACTCCC CGCGTCCCGC	60
GTCCTAGCCN ACCATGGCCG GGCCCCTGCG CGCCCCGCTG CTCCTGCTCG CCATGCTCCC	120
CGIGGCCCIG GCCGIGAGCC CCGCGGCCGG CTCCAGTCCC GGCAAGCCGC CGCGCCTCCT	180
GGGAGGCCCA TGGACCCCGC GTGGAAGAAG AAGGTGTGCC GCGTGCACTGC CACTTTTTTTTTT	240
TCGGCNANTA CAACAAACCC GCAACNACTT TTACCNAGCN CGCGCTGCAG GTTGTGCCGC	
CCCAANCAAA TTGTTACTNG GGGTAANTAA TTCTTGGAAG TTGAACCTGG GCCAAACNNG	300
TTTACCAGAA CCNAGCCAAT TNGAACAATT NCCCCTCCAT AACAGCCCCT TTTAAAAAGG	360
GAANCANTCC TGNTCTTTTC CAAATTTT	420
	448
(2) INFORMATION FOR THE TRANSPORTED TO THE PROPERTY WEST	12 H.
(2) INFORMATION FOR SEQ ID NO:89:	25 Oct.
The state of the s	
(1) DEGORNER CHARACIERISIACS:	42.42.621.
(A) DENGIR: 403 Dase pairs	
"(b) lips: nucleic acid	
(C) SIRANDEDNESS: SINGLE	
(D) TOPOLOGY: linear	. 1
(ii) MOLECULE TYPE: cDNA	
	13.
(vi) ORIGINAL SOURCE:	
(V1) ORIGINAL SOURCE:	;
(A) ORGANISM: Homo sapiens	
And the second of the second o	·,· .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:89:	
CAR THE THE STATE OF THE STATE	
GAATTTTGTG CACTGGCCAC TGTGATGGAA CCATTGGGCC AGGATGCTTT GAGTTTATCA	60
GTAGTGATTC TCCCAAACTT CCTCTTCTTAAAA CATCACTTA TOO TAA	120
AGAGGTCTAG GTCTGCATAT CAGCAGACAG TTTGTCCGTG TATTTTGTAG CCTTGAAGTT	
CTCAGTGACA AGTTNNTTCT GATGCGAAGT TCTNATTCGA COCCERTAIN CTCAGTGACA COCCERTAIN CTCAGTACA COCCERTAIN CTCAGTGACA COCCERTAIN CTCAGTACA COCCERTAIN CTCACTACA COCCERTAIN	180
CTCAGTGACA AGTTNNTTCT GATGCGAAGT TCTNATTCCA GTGTTTTAGT CCTTTGCATC	240
ITTNATGTTN AGACTTGCCT CTNTNAAATT GCTTTTGTNT TCTGCAGGTA CTATCTGTGG	300
ITTAACAAAA TAGAANNACT TCTCTGCTTN GAANATTTGA ATATCTTACA TCTNAAAATN	360
AATTCTCTCC CCATANNAAA ACCCANGCCC TTGGGANAAT TTGAAAAANG GNTGCTTCNN	420
AATTCNNANA ANTTCAGNTN TCATACAACA NAACNGGANC CCC	463
The state of the s	-
(2) INFORMATION FOR SEQ ID NO:90:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 400 base pairs	• •
(D) TYDD, muslain and I	• • .
(B) TYPE: nucleic acid	

	•
(C) STRANDEDNESS: single	•
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: HOMO Sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9	
er i big kindragam vila statistica d	
AGGGATTGAA GGTCTNTTNT ACTGTCGGAC TGTTCANCC	A CCAACTCTAC AAGTTGCTGT 60
CTTCCACTCA CTGTCTGTAA GCNTNTTAAC CCAGACTGT	A TCTTCATAAA TAGAACAAAT 120
TCTTCACCAG TCACATCTTC TAGGACCTTT TTGGATTCA	G TTAGTATAAG CTCTTCCACT 180
TCCTTTGTTA AGACTTCATC TGGTAAAGTC TTAAGTTTT	G TAGAAAGGAA TTTAATTGCT 240
CGTTCTCTAA CAATGTCCTC TCCTTGAAGT ATTTGGCTG	A ACAACCCACC TNAAGTCCCT 300 N CACTAGGTTA AATTCTGCAA 360
TTGTGCATCC ATTTTAAATA TACTTAATAG GGCATTGGT	N CACTAGGITA AATTCIGCAA 360
GAGTCATCTG TCTGCAAAAG TTGCGTTAGT ATATCTGCC	A 400
(2) INFORMATION FOR SEQ ID NO:91:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 480 base pairs	
(B) TYPE: nucleic acid	and the company of the control of th
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(b) lopobodi: linear	or may recognize the contract of
(ii) MOLECULE TYPE: cDNA	
The second secon	Same and the first of the second second
(vi) ORIGINAL SOURCE:	ing the contract of the contra
(A) ORGANISM: Homo sapiens	and the second of the second of the second
NAME OF THE PROPERTY OF THE PARTY OF THE PAR	到一 <b>进。</b> "你可以是我想到了我,我不知道我们的
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9	1:" " " " " " " " " " " " " " " " " " "
The second of th	entropy and the control of the contr
GAGCTCGGAT CCAATAATCT TTGTCTGAGG GCAGCACAC	A TATNCAGTGC CATGGNAACT 60
GGTCTACCCC ACATGGGAGC AGCATGCCGT AGNTATATA	A GGTCATTCCC TGAGTCAGAC 120
ATGCCTCTTT GACTACCGTG TGCCAGTGCT GGTGATTCT	C ACACACCTCC NNCCGCTCTT 180
TGTGGAAAAA CTGGCACTTG NCTGGAACTA GCAAGACAT	C ACTTACAAAT TCACCCACGA 240
GACACTTGAA AGGTGTAACA AAGCGACTCT TGCATTGCT	
TGTCAATACT AACCCGCTGG TTTGCCTCCA TCACATTTC	T GATCTGTAGC TCTGGATACA 360
TCTCCTGACA GTACTGAAGA ACTTCTTCTT TTGTTTCAA	AA AGCAACTCTT GGTGCCTGTT 420
NGATCAGGTT CCCATTTCCC AGTCCGAATG TTCACATGG	C ATAINTTACT TCCCACAAAA 480

#### (2) INFORMATION FOR SEQ ID NO:92:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 477 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
  (vi) ORIGINAL SOURCE: (ii) MOLECULE TYPE: cDNA
  - - (A) ORGANISM: Homo sapiens

300

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:92:	
ATACAGCCCA NATCCCACCA CGAAGATGCG CTTGTTGACT GAGAACCTGA TGCGGTCACT 60	) .
GGTCCCGCTG TAGCCCCAGC GACTCTCCAC CTGCTGGAAG CGGTTGATGC TGCACTCCTT 120	)
CCCACGCAGG CAGCAGCGGG GCCGGTCAAT GAACTCCACT CGTGGCTTGG GGTTGACGGT 180	) _
TAANTGCAGG AAGAGGCTGA CCACCTCGCG GTCCACCAGG ATGCCCGACT GTGCGGGACC 240	)
TGCAGCGAAA CTCCTCGATG GTCATGAGCG GGAAGCGAAT GANGCCCAGG GCCTTGCCCA 300	)
GAACCTTCCG CCTGTTCTCT GGCGTCACCT GCAGCTGCTG CCGCTNACAC TCGGCCTCGG 360	)
ACCAGCGGAC AAACGGCGTT GAACAGCCGC ACCTCACGGA TGCCCANTGT GTCGCGCTCC 420	
AGGAACGGCN CCAGCGTGTC CAGGTCAATG TCGGTGAANC CTCCGCGGGTTAATGGCG	,
TO THE REPORT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY AND THE PROPERTY OF THE PROPERTY	
(2) INFORMATION FOR SEQ ID NO:93: MANAGE TO BE ASSET AS TO A SECONDETED	
Court Anna Alexandra deservations of the contract of the contr	•
(i) SEQUENCE CHARACTERISTICS PORTER AND DESCRIPTION OF THE PROPERTY AND A DESIGNATION OF THE PROPERTY OF THE P	
(A) LENGTH: 377 base-pairs (Sw to 12 Tring of February 12 Tring of Febru	
(B) TYPE: nucleic acid with You May Chapter to the All of the order of	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(II) MOLECOLE IIPE: CDNA	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(A) OKOARISM. NOMO BAPTERB COM CONTROL OF THE CONTR	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:93:	
GAACGGCTGG ACCTTGCCTC GCATTGTGCT GCTGGCAGGA ATACCTTGGC AAGCAGCTCC 60	-
GAACGGCTGG ACCTTGCCTC GCATTGTGCT GCTGGCAGGA ATACCTTGGC AAGCAGCTCC AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC 120	ē
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC 120	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC 120	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC 120 CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC 120 CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTACT TGGGAATTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC 120 CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  3.77	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (2) INFORMATION FOR SEQ ID NO: 94:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240 CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 377  (2) INFORMATION FOR SEQ ID NO:94:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (1) INFORMATION FOR SEQ ID NO:94:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (2) INFORMATION FOR SEQ ID NO:94:  (i) SEQUENCE CHARACTERISTICS:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240 CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 377  (2) INFORMATION FOR SEQ ID NO:94:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240 CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 377  (2) INFORMATION FOR SEQ ID NO:94:  (A) LENGTH: 495 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240 CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 377  (2) INFORMATION FOR SEQ ID NO:94:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240 CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 377  (2) INFORMATION FOR SEQ ID NO:94:  (A) LENGTH: 495 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	
AGTCCGAGCA GCCCCAGACC GCTGCCGCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTACT TGGGAATTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 3.77  (2) INFORMATION FOR SEQ ID NO:94:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTTACT TGGGAATTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240 CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 377  (2) INFORMATION FOR SEQ ID NO:94:  (A) LENGTH: 495 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGATAAAA AGTANGTGAT TCTGTATNTA AAGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAATATAT TATTAAA  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGACT GAACACTGTN TGATTTTACT TGGGAATTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA ATAACACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAACATAT TATTAAA  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:	
AGTCCGAGCA GCCCCAGACC GCTGCCGCC GAAGCTAAGC CTGCCTTCGCCTC 120 CGCCTCAATG CAGAACCANT AGTGGAGCA CTGTGTTTAG AGTTAAGAGT GAACACTGTN 180 TGATTTTACT TGGGAATTTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA 240 CAACAACAAA ATAACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA 300 AGAAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA 360 ATAAATATAT TATTAAA 377  (2) INFORMATION FOR SEQ ID NO:94:  (A) LENGTH: 495 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:  CCCCTTTGAGG GGTTAGGGTC CAGTTCCCAG TGGAAGAAAC AGGCCAGGAG AANTGCGTGC 60 CGAGCTGANG CAGATTCCC ACAGTGACCC CAGAGCCCTG GGCTATAGTC TCTGACCCCT 120	
AGTCCGAGCA GCCCCAGACC GCTGCCGCCC GAAGCTAAGC CTGCCTCTGG CCTTCCCCTC CGCCTCAATG CAGAACCANT AGTGGGAGCA CTGTGTTTAG AGTTAAGACT GAACACTGTN TGATTTTACT TGGGAATTC CTCTGTTATA TAGCTTTTCC CAATGCTAAT TTCCAAACAA ATAACACATGTT TGCCTGTTNA GTTGTATAAA AGTANGTGAT TCTGTATNTA AGAAAATAT TACTGTTACA TATACTGCTT GCAANTTCTG TATTTATTGG TNCTCTGGAA ATAAACATAT TATTAAA  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:	

ACGAGGAANA GGCCCTGANT CCTGGGATCA NACACCCCTT CACGTGTATC CCCACACAAA

TGCAAGCTCA CCAAGGTCCC CTCTCAGTCC CTTCCCTACA CCCTGAACGG NCACTGGCCC	
ACACCCACCC AGANCANCCA CCCGCCATGG GGAATGTNCT CAAGGAATCG CNGGGCAACG	
TGGACTCTNG TCCCNNAAGG GGGCAGAATC TCCAATAGAN GGANNGAACC CTTGCTNANA	
AAAAAAAAA AAAAA	495
(2) INFORMATION FOR SEQ ID NO:95:	
"我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的。" "我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 472 base pairs	* *
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	, -
(D) TOPOLOGY: linear training the state of t	
(11) MOTORIE TUDO - DVA	
(ii) MOLECULE TYPE: CDNA, MONAR AND MEANTIME TO COO.	
ing the strong region of the strong but the strong that the strong of the strong but the strong of t	
(VI) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
(A) ORGANISM: HOMO SAPTERS (1) A CONTROL OF THE WARRENCE OF THE CONTROL OF THE CO	
/ II ANALYSIAN PROGRESSIAN AND TRIBE	
(X1) SEQUENCE DESCRIPTION: SEQ ID NO:95:	
GGTTACTTGG TTTCATTGCC ACCACTTAGT GGATGTCATT TAGAACCATT TTGTCTGCTC	
CCTCTGGAAG CCTTGCGCAG AGCGGACTTT GTAATTGTTG GAGAATAACT GCTGAATTTT	120
TAGCTGTTTT GAGTTGATTC GCACCACTGC ACCACAACTC AATATGAAAA CTATTTNACT	
TATTTATTAT CTTGTGAAAA GTATACAATG AAAATTTTGT TCATACTGTA TTTATCAAGT	240
ATGATGAAAA GCAATAGATA TATATTCTTT TATTATGTTN AATTATGATT GCCATTATTA	
ATCGCCAAAA TGTGGAGTGT ATGTTCTTTT CACAGTAATAATATGCCTTTT GTAACTTCAC	360
TTGGTTATTT TATTGTAAAT GAATTACAAA ATTCTTAATT TAAGAAAATG GTANGTTATA	420
TTTANTTCAN TAATTTCTTT CCTTGTTTAC GTTAATTTTGAAAAGAATGCAT	472
THANTICAN TRAITICTIT COTTOTTIAC GITARTITIGHAAAAGAATGC AT COTTO	7/2
(2) INFORMATION FOR SEQ ID NO:96:	
(2) INFORMATION FOR BEG ID NO. 30.	
(i) SEQUENCE CHARACTERISTICS:	. :
(A) LENGTH: 476 base pairs	- S- V
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear Of the October of the Alaba and the A	
(ii) AMOLECULE TYPE: CDNAD THAT IS TO A STORE A STORE OF THE CONTROL OF THE CONTR	5
The state of the s	. K
(vi) ORIGINAL SOURCE: The Add to the total and the source of the source	
(A) ORGANISM: Homo sapiens 30%	:
The state of the s	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:96:	
The second of th	
CTGAAGCATT TCTTCAAACT TNTCTACTTT TGTCATTGAT ACCTGTAGTA AGTTGACAAT	60
GTGGTGAAAT TTCAAAATTA TATGTAACTT CTACTAGTTT TACTTTCTCC CCCAAGTCTT	120
TTTTAACTCA TGATTTTTAC ACACACAATC CAGAACTTAT TATATAGCCT CTAAGTCTTT	
ATTCTTCACA GTAGATGATG AAAGAGTCCT CCAGTGTCTT GNGCANAATG TTCTAGNTAT	240
AGCTGGATAC ATACNGTGGG AGTTCTATAA ACTCATACCT CAGTGGGACT NAACCAAAAT	300
TGTGTTAGTC TCAATTCCTA CCACACTGAG GGAGCCTCCC AAATCACTAT ATTCTTATCT	360
GCAGGTACTC CTCCAGAAAA ACNGACAGGG CAGGCTTGCA TGAAAAAGTN ACATCTGCGT	420
TACAAAGTCT ATCTTCCTCA NANGTCTGTN AAGGAACAAT TTAATCTTCT AGCTTT	476

(2) INFORMATION FOR SEQ ID NO:97:

(1) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 479 base pairs and second for the control of the contr	, .
The Community of the Co	
(C) STRANDERNESS, sincle	
(D) TOPOLOGY: linear	
the Compagnition of the Co	
(ii) MOLECULE TYPE: cDNA	
·	
(vi) ORIGINAL SOURCE:	٠.
(A) ODGANTON WAR	
(A) ORGANISM: Homo sapiens	
Santa - Davida et al.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:97: 30 (xi)	
ACTOTTOTA ATGCTGATAT GATCTTGAGT ATAAGAATGC ATATGTCACT AGAATGGATA	60
AAATAATGCT GCAAACTTAA TGTTCTTATG CAAAATGGAA CCCTAATGAA ACAGAGGGTTA	20
CAAICGCAAA TCAAAACTCA CAAGTGCTCA TCTGTTGTAG ATTTACTCTA ATTAACACTOR	
GALLGUGGUC CITCGGATAT GATTGTTTCT CANATCTTGG GCAATNITTCC TTAGTGAAAN	
CAGGUTACTA GAATTCTGTT ATTGGATATN TGAGAGCATC AAATTTTTTTA AAAATTA	
GIGATTATNA AATTAATCAC AAATTTCACT TATACCTCCTT ATTACCTCCTT	
NINNIIIIA NATCAAAGTA TTTTCTCTTT CCAANTOODAL AAAGTA AA	
TTCNATCTTA TTTTTTCCCN GACNACTANT TNCTTTTTTA GGGNCTATTC TGANCCATC 4	20
4'	73
(2) INFORMATION FOR SEC ID NO OO	
(2) INFORMATION FOR SEQ. IDINO: 98: L. W. DA DEMOND. THE REP. M. T. C.	•
CONTROL CHARACTER CHARACTER CHARACTER CONTROL OF THE CONTROL OF TH	
(i) SEQUENCE CHARACTERISTICS TATTLET 1. TO FT 1. MA	-
A (A) DENGIA: 461 Dase pairs which the following the second secon	
(B) TYPE: nucleic/acid/AMAGNES //1478795, 1 14.2 14.2 14.2 14.2 14.2	٠.
(C) STRANDEDNESS: SINGTENE TABLE TO THE TOTAL CONTROL OF THE CONTR	Ξ.
(D) TOPOLOGY: linear	
All the second of the second o	1 -
(ii) MOLECULE TYPE: cDNA	
in the programme of the control of t	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
· · · · · · · · · · · · · · · · · · ·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:98:	
AGTGACTTGT CCTCCAACAA AACCCCTTGA TCAAGTTTGT GGCACTGACA ATCAGACCTA 6	_
TOUTAGITUE TGTCATCTAT TEGETACTAN ATTECNETATION ON COORD OF THE	
1CAACTCCAG CTGGATTATT TTGGAGCCTG CAAATCTATT COTA COTA	-
AGIGATICAG TITCCTCTAC GGATGAGAGA CTCCCTCAAC, AATAGGGTGA	
TOMMGCCACT CTGAACACCC TCCCTTATCTA CATACATA CATACATA CATACATA	
TTACCTGGAG AAAAGAGGCT TTCCCTCCCC AGGAMGGACA GAGAAATAAA GTCAGAAAAT	0
TTACCTGGAG AAAAGAGGCT TTGGCTGGGG ACCATCCCAT TGAACCTTCT CTTAAGGACT TTAAGAAAAA CTACCACATC TTGGCTGGGG ACCATCCCAT TGAACCTTCT CTTAAGGACT 36	C
TTAAGAAAAA CTACCACATG TTGTGTATCC TGGTGCCGGC CGTTTATGAA CTGACCACCC 420	0
TTTGGAATAA TCTTGACGGT CCTGAACTTG CTCCTCTGCG A 46	L
,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
12) INFORMATION FOR SEQ. ID NO:99:	
"不是一个一个严禁的我们还是"随着我们是我们的特别,但我们一个人的感觉的。"她们,"你说这一样,不不是,是什么	
(1) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 171 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	

	(vi) ORIGINAL SOURCE: (A) ORGANISM: Hom	no sapiens			
	(xi) SEQUENCE DESCRIPT		• 100		
CGGT	CCGCGC GCAGGTGTTT CCTCC GCCTCT GCGGGCCCGA GGAGC GAGAAA AGCCTTCTCT AGCG	GAGCGG CTGGCGGGTG ATCTGA GAGGCGTGCC	GGGGGAGTGT	C	60 120 171
(2)	INFORMATION FOR SEQ ID	NO:100:			
	(C) STRANDEDNESS (D) TOPOLOGY: li (ii) MOLECULE TYPE: cD	base pairs c acid : single			
•	(xi) SEQUENCE DESCRIPT	ION: SEQ ID NO:10	<b>0</b> :		
CGA AAG CAG	CCGCAAG TGCAACTCCA GCTG CTGCGAC GACGGCGCG GCGA GCTGAGC TGACGCCGCA GAGG CCGGAAC AGAGCCCGGT GAAG GAGATAC GCAGGTGCAG GTGG	CAGTCG CAGGTGCAGC TCGTGT CACGTCCCAC CGGGAG GCCTCGGGGA	GCGGGCGCCT GACCTTGACG GCCCCTCGGG	CCGTCGGGGA AAGGGCGGCC	60 120 180 240 269
(2)	INFORMATION FOR SEQ ID	NO:101:			•
	(B) TYPE: nuclei (C) STRANDEDNESS (D) TOPOLOGY: li	base pairs ic acid 3: single inear	THE STATE OF THE S	er en gerren de Grand Grand Grand Grand Grand Grand Gr	
5.1.	(ii) MOLECULE TYPE: cl	ONA		• •	
	(vi) ORIGINAL SOURCE:  (A) ORGANISM: Ho	omo sapiens			
TTT GCT TTC AGT TGA	TTTTTTT TTTTGGAATC TACTAGCAAGG TAACAGGGTA GGGAGTGGA CCCTCCTGT AGAACCGTCAT TTTCTTGACA TCAGTTCTGGA GGGAGATTAG GGT	TGCGAGC ACAGCAGGT CATGGTT ACATGTTCA GCGGGGT GGGGTAGGG ACCTGGT TACAAAGCT ATGTTAT TAGAAGTCA TTCTTGC CAAATCCAA	C AGCAACAAGT G GTCAACTTCC G AAACGAAGCI T GGGGCAGTTC G GATATCTTT C AAAATCCAC	TTATTTGCA TTTGTCGTGG A AATAACATGG ACCTGGTCTG AGAGAGTCCA	120 180 241 300
		,	•		

(2) INFORMATION FOR SEQ ID NO:102:

(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 470 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(11) MOLECULE TYPE: CDNA	
The first of the contract of t	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:102:	
TTTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTTTT	_
TCNNNNTCTN NNTCNN NTCNN NTCNN NCCTNN MACTOR AND A TO A T	-
ATATACTA TECACCAAAC TECHTACAAA TCCTTACCAA ATAATACCCA AAAATCAAAA 18	-
ATATACTTCT TTCAGCAAAC TTGTTACATA AATTAAAAAA ATATATACGG CTGGTGTTTT 24	)
CAAAGTACAA TTATCTTAAC ACTGCAAACA TTTTAAGGAA CTAAAATAAA AAAAAACACT 300	)
CCGCAAAGGT TAAAGGGAAC AACAAATTCT TTTACAACAC CATTATAAAA ATCATATCTC 360	)
AAATCTTAGG GGAATATATA CTTCACACGG GATCTTAACT TTTACTCACT TTGTTTATTT 420	)
TTTTAAACCA TTGTTTGGGC CCAACACAAT GGAATCCCCC CTGGACTAGT 470	
(2) INFORMATION FOR SEQ ID NO:103:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 581 base pairs	
(B) TYPE: nucleic acid	
(C) STPANDEDNESS, single	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(11) MODECOLE TIPE: CDNA	
(vi) ORIGINAL SOURCE:	
(V1) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:103:	
and the control of th	
TTTTTTTT TTTTTTGA CCCCCCTCTT ATAAAAAACA AGTTACCATT TTATTTTACT 60	
TACACATATT TATTTTATAA TTGGTATTAG ATATTCAAAA GGCAGCTTTT AAAATCAAAC 120	
TAAATGGAAA CTGCCTTAGA TACATAATTC TTAGGAATTA GCTTAAAATC TGCCTAAAGT 180	
GAAAATCTTC TCTAGCTCTT TTGACTGTAA ATTTTTGACT CTTGTAAAAC ATCCAAATTC 240	
GCTTCTCTAG CCTCATTTCC TACCHOTTAN CTACTATTT TCCCTATTCC AAGTCAATTT 300	
GCTTCTCTAG CCTCATTTCC TAGCTCTTAT CTACTATTAG TAAGTGGCTT TTTTCCTAAA 360	
AGGGAAAACA GGAAGAGAAA TGGCACACAA AACAAACATT TTATATTCAT ATTTCTACCT 420	
ACGTTAATAA AATAGCATTT TGTGAAGCCA GCTCAAAAGA AGGCTTAGAT CCTTTTATGT 480	
CCATTTTAGT CACTAAACGA TATCAAAGTG CCAGAATGCA AAAGGTTTGT GAACATTTAT	
TCAAAAGCTA ATATAAGATA TTTCACATAC TCATCTTTCT G	
(2) INFORMATION FOR SEQ ID NO:104:	
იერი და და არერი და არერი და მერი გამორი და მერმებანი და არერი და მარები და არერი და და და მერმენის გამენი. გაექტები და არერი არერი გარე მეტები და მერი გარები გარები მერი გამეტები მერი მერები მერები მერები მერები გარებ	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 578 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: single

(D) TOPOLOGY: linear		•
(ii) MOLECULE TYPE: cDNA	· · · · · · · · · · · · · · · · · · ·	• • •
•	to with the first of the	据 "琳"不是一定的。
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapien		
1. "我们就是我们的意思。""我们是我们的一定是不是	of West March 2000 And	The second of the second
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:104:	AND A LONG THE THE
THEFFITT THEFFITT THEFTCTCTT CT	ITTTTT GAAATGAGGA	TCGAGTTTTT
CACTCTCTAG ATAGGGCATG AAGAAAACTC AT		
CTCTTATGCT ATATCATATT TTAAGTTAAA CT		
AGGAAATCTG TTCATTCTTC TCATTCATAT AG		
GAGGTTTTTC TTCTCTATTT ACACATATAT TT		
TTCATGCAAA CTAGAAAATA ATGTTTCTTT TG		
CAAAACTGCT CAAATTGTTT GTTAAGTTAT CC		
AAATCACATT TACGACAGCA ATAATAAAAC TG		
AAAGGAACAT TTTTAGCCTG GGTATAATTA GC		
TGAATTCACA TGTTATTATT CCTAGCCCAA CA	•	578
/->		
(2) INFORMATION FOR SEQ ID NO:105:		······································
(1) GROUPING GUADAGERTOMICS.		
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 538 base pair		and the second of the second o
(B) TYPE: nucleic acid		satisfie (199
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		· Trade · · ·
	es gan earn aid vid	and the second second
(ii) MOLECULE TYPE: cDNA	***	
	on in the second of the	
(vi) ORIGINAL SOURCE:		Control of the contro
(A) ORGANISM: Homo sapien	stant for a sage of Table	化环烷基 化二氯化苯酚
	and the state of the second	generate de deservición
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:105:	an erreger og om fattil 😅
giran kan kan kan kan kan kan kan kan kan k	in medicine in the interest	The American State of March
TTTTTTTTT TTTTTCAGTA ATAATCAGAA CA		
GAAAAGTGCC TTACATTTAA TAAAAGTTTG TT		
GTCTTGAACA CCAATATTAA TTTGAGGAAA AT		
AAGATCATAG AGCTTGTAAG TGAAAAGATA AA		
AAATCCACTA TTAGCAAATA AATTACTATG GA	CTTCTTGC TTTAATTTTG	TGATGAATAT 300
GGGGTGTCAC TGGTAAACCA ACACATTCTG AA	GGATACAT TACTTAGTGA	TAGATTCTTA 360
TGTACTTTGC TAATACGTGG ATATGAGTTG AC	AAGTTTCT CTTTCTTCAA	TCTTTTAAGG 420
GGCGAGAAAT GAGGAAGAAA AGAAAAGGAT TA	CGCATACT GTTCTTTCTA	TGGAAGGATT 480
AGATATGTTT CCTTTGCCAA TATTAAAAAA AT	AATAATGT TTACTACTAG	TGAAACCC 538
(2) INFORMATION FOR SPO. ID NO. 106.	A. 41. 64 Sept. 1. 6 243	
(2) INFORMATION FOR SEQ ID NO:106:	$\mathcal{F} = \mathcal{F} = \{1, \dots, n \in \mathbb{N} \mid 1 \leq n \leq n \}$	्राप्तकः । अञ्चलेखनः अ
The second of th		trollar och satisk samte
(2) INFORMATION FOR SEQ ID NO:106:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 473 base pair	I with but with a second of the	
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: CDNA	****	
We will the work of the second		

#### (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:106:

TITTITTTT TIT	ITTAGTC AAGTTTCTAT	TTTTATTATA ATTAAAGTCT	TGGTCATTTC	60
ATTTATTAGC TCT	GCAACTT ACATATTTAA	ATTAAAGAAA CGTTTTAGAC	AACTGTACAA	120
TTTATAAATG TAAC	GTGCCA TTATTGAGTA	ATATATTCCT CCAAGAGTGG	ATGTGTCCCT	180
TCTCCCACCA ACTA	AATGAAC AGCAACATTA	GTTTAATTTT ATTAGTAGAT	ATACACTGCT	240
GCAAACGCTA ATTO	CICTICT CCATCCCCAT	GTGATATTGT GTATATGTGT	GAGTTGGTAG	300
AATGCATCAC AATC	CTACAAT CAACAGCAAG	ATGAAGCTAG GCTGGGCTTT	CGGTGAAAAT	- 360
AGACTGTGTC TGTC	CTGAATC AAATGATCTG	ACCTATCCTC GGTGGCAAGA	ACTCTTCGAA	420
CCGCTTCCTC AAAC	GCGCTG CCACATTTGT	GGCTCTTTGC ACTTGTTTCA	AAAG + GA	473
W	William Albanda Lorr	CTAR IN THE LARGE CH	医医医切除 四十二	

1 (C) 1 (D) 20 (F) 1 (F) 44 (F) 7 (F)

Section 1.1 (August 10) in proper with the following to the control of the control

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### (2) INFORMATION FOR SEQUID NOT 107 FOR THE TANK OF THE PROPERTY OF THE PROPERT

- (i) SEQUENCE CHARACTERISTICS: 10-40 A 10-40 A

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: cDNA

#### (vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:107:

• •			-g 15 MO.10	<i>,</i> .		
			•			
CGCCATGGCA	CTGCAGGGCA	TCTCGGTCAT	GGAGCTGTCC	GGCCTGGCCC	CGGGCCCGTT	60
					GGCCCGGCTC	120
			CAAGCGCTCG			180
			GTGCAAGCGG			240
CTTCCGCCGC	GGTGTCATGG	AGAAACTCCA	GCTGGGCCCA	GAGATTCTGC	AGCGGGAAAA	300
TCCAAGGCTT	ATTTATGCCA	GGCTGAGTGG	ATTTGGCCAG	TCAGGAAGCT	TCTGCCGGTT	360
					TTGGCAGAAG	420
					GTGGCCTTAT	480
					AGGGTCAGGT	540
					GGAAAACTCA	600
					GAGCACCTTT //	660
					TAGAACCCCA	720
GTTCTACGAG	CTGCTGATCA	AAGGACTTGG	ACTAAAGTCT	GATGAACTTC	CCAATCAGAT	780
					CAAAGAAGAC	840
			CACAGATGCC			900
			CAAGGAACGG			960
					CCATCCCTTC	1020
			CACTGAGGAG.			1080
			AGATAAAATC			1140
AGCTAGTCTC	TAACTTCCAG	GCCCACGGCT	CAAGTGAATT	TGAATACTGC	ATTTACAGTG	1200
TAGAGTAACA	CATAACATTG	TATGCATGGA	AACATGGAGG	AACAGTATTA	CAGTGTCCTA	1260
			CTGATTCTAC			1320
AATGGTTATC	ATTAGGGCTT	TTGATTTATA	AAACTTTGGG	TACTTATACT	AAATTATGGT	1380 -
AGTTATTCTG	CCTTCCAGTT	TGCTTGATAT	ATTTGTTGAT	ATTAAGATTC	TTGACTTATA	1440
TTTTGAATGG	GTTCTAGTGA	AAAAGGAATG	ATATATTCTT	GAAGACATCG	ATATACATTT	1500
ATTTACACTC	TTGATTCTAC	AATGTAGAAA	ATGAGGAAAT	GCCACAAATT	GTATGGTGAT	1560

AAA	AGTCACG	TGAAA	CAAA	AAA	AAAA	AAA	AAAA	AAAA	AA A	AAAA	AAA	A A	AAAA	VAAAA		1620
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2)	INFORMA	TION .	FOR 2	DEQ .	או עו	. 100	•	•	•			•	•	•		
	(i) SE	OHENC	E CHA	ARACT	TER IS	TICS	3:								:	•
		A) LE							٠.	•						
		B) TY									ë .			· · · ·		er : .
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	(ii) MO	LECUL	E TYI	e: 1	prote	ein '				·						
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	Gly Gl	n Val	Ile	Asp	Ala	Asn	Met	Val	Glu	Gly	Thr	Ala	Tyr	Leu	Ser	177
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290 . . . . . . . . . . . 295 300 His His Asp His Asn Lys Glu Arg Gly Ser Phe Ile Thr Ser Glu Glu 305 310 315 320 Gln Asp Val Ser Pro Arg Pro Ala Pro Leu Leu Leu Asr Thr Pro Ala 330 Ile Pro Ser Phe Lys Arg Asp Pro Phe lle Gly Glu His Thr Glu Glu Ile Leu Glu Glu Phe Gly Phe Ser Arg Glu Glu Ile Tyr Gln Leu Asn 355 360 365 Ser Asp Lys Ile Ile Glu Ser Asn Lys Val Lys Ala Ser Leu 375

#### (2) INFORMATION FOR SEQ ID NO:109:

- (i) SEQUENCE CHARACTERISTICS: A MARKAGE CHARACTERISTICS:
  - (A) LENGTH: 1524 base pairs
  - (B) TYPE: nucleic acid ( ) From C or a section of the
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: CDNA
- (vi) ORIGINAL SOURCE:
- (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:109:

the transfer was the text text make given expression to the per continu GGCACGAGGC TGCGCCAGGG CCTGAGCGGA GGCGGGGGCA GCCTCGCCAG CGGGGGCCCC GGGCCTGGCC ATGCCTCACT GAGCCAGCGC CTGCGCCTCT ACCTCGCCGA CAGCTGGAAC 120 CAGTGCGACC TAGTGGCTCT CACCTGCTTC CTCCTGGGCG TGGGCTGCCG GCTGACCCCG 180 GGTTTGTACC ACCIGGGCCG CACTGTCCTC TGCATCGACT TCATGGTTTT CACGGTGCGG CTGCTTCACA TCTTCACGGT CAACAAACAG CTGGGGCCCA AGATCGTCAT CGTGAGCAAG ATGATGAAGG ACGTGTTCTT CTTCCTCTC TrccTCGGCG TGTGGCTGGT AGCCTATGGC 360 GTGGCCACGG AGGGCTCCT GAGGCCACGG GACAGTGACT TCCCAAGTAT CCTGCGCCGC 420 GTCTTCTACC GTCCCTACCT GCAGATCTTC GGGCAGATTC CCCAGGAGGA CATGGACGTG GCCCTCATGG AGCACAGCAA CTGCTCGTCG GAGCCCGGCT TCTGGGCACA CCCTCCTGGG GCCCAGGCGG GCACCTGCGT CTCCCAGTAT GCCAACTGGC TGGTGGTGCT GCTCCTCGTC ATCTTCCTGC TCGTGGCCAA CATCCTGCTG GTCAACTTGC TCATTGCCAT GTTCAGTTAC 660 ACATTCGGCA AAGTACAGGG CAACAGCGAT CTCTACTGGA AGGCGCAGCG TTACCGCCTC 720 ATCCGGGAAT TCCACTCTCG GCCCGCGCTG GCCCCGCCCT TTATCGTCAT CTCCCACTTG CGCCTCCTGC TCAGGCAATT GTGCAGGCGA CCCCGGAGCC CCCAGCCGTC CTCCCCGGCC 840 CTCGAGCATT TCCGGGTTTA CCTTTCTAAG GAAGCCGAGC GGAAGCTGCT AACGTGGGAA TCGGTGCATA AGGAGAACTT TCTGCTGGCA CGCGCTAGGG ACAAGCGGGA GAGCGACTCC GAGCGTCTGA AGCGCACGTC CCAGAAGGTG GACTTGGCAC TGAAACAGCT GGCACACATC 1020 CGCGAGTACG AACAGCGCCT GAAAGTGCTG GAGCGGGAGG TCCAGCAGTG TAGCCGCGTC CTGGGGTGGG TGGCCGAGGC CCTGAGCCGC TCTGCCTTGC TGCCCCCAGG TGGGCCGCCA CCCCCTGACC TGCCTGGGTC CAAAGACTGA GCCCTGCTGG CGGACTTCAA GGAGAAGCCC 1200 CCACAGGGGA TTTTGCTCCT AGAGTAAGGC TCATCTGGGC CTCGGCCCCC GCACCTGGTC GCCTTGTCCT TGAGGTGAGC CCCATGTCCA TCTGGGCCAC TGTCAGGACC ACCTTTGGGA 1320 GTGTCATCCT TACAAACCAC AGCATGCCCG GCTCCTCCCA GAACCAGTCC CAGCCTGGGA GGATCAAGGC CTGGATCCCG GGCCGTTATC CATCTGGAGG CTGCAGGGTC CTTGGGGTAA 1440 CAGGGACCAC AGACCCCTCA CCACTCACAG ATTCCTCACA CTGGGGAAAT AAAGCCATTT 1500 CAGAGCAAAA AAAAAAAAAA AAAA 

(2) INFORMATION FOR SEQ ID NO:110:

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#### The state of the state of the state of (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3410 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear policina i programa de la compansión de la

#### (ii) MOLECULE TYPE: CDNA The state of the s

# (vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens BURNON ROUNCE ON COLUMN TO

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:110:

Mark TOLIT TO THE WAR A TO THE WAR TO MAKE THE WAY GGGAACCAGC CTGCACGCGC TGGCTCCGGG TGACAGCCGC GCGCCTCGGC CAGGATCTGA 60 GTGATGAGAC GTGTCCCCAC TGAGGTGCCC CACAGCAGCA GGTGTTGAGC ATGGGCTGAG 120 AAGCTGGACC GGCACCAAAG GGCTGGCAGA AATGGGCGCC TGGCTGATTC CTAGGCAGTT 180 GGCGGCAGCA AGGAGGAGAG GCCGCAGCTT CTGGAGCAGA GCCGAGACGA AGCAGTTCTG 240 GAGTGCCTGA ACGGCCCCCT GAGCCCTACC CGCCTGGCCC ACTATGGTCC AGAGGCTGTG 300 GGTGAGCCGC CTGCTGCGGC ACCGGAAAGC CCAGCTCTTG CTGGTCAACC TGCTAACCTT 360 TGGCCTGGAG GTGTGTTTGG CCGCAGGCAT CACCTATGTG CCGCCTCTGC TGCTGGAAGT 420 GGGGGTAGAG GAGAAGTTCA TGACCATGGT GCTGGGCATT GGTCCAGTGC TGGGCCTGGT CTGTGTCCCG CTCCTAGGCT CAGCCAGTGA CCACTGGCGT GGACGCTATG GCCGCCGCCG 540 GCCCTTCATC TGGGCACTGT CCTTGGGCAT CCTGCTGAGC CTCTTTCTCA TCCCAAGGGC 600 CGGCTGGCTA GCAGGGCTGC TGTGCCCGGA TCCCAGGCCC CTGGAGCTGG CACTGCTCAT 660 CCTGGGCGTG GGGCTGCTGG ACTTCTGTGG CCAGGTGTGC TTCACTCCAC TGGAGGCCCT 720 780 GCTCTCTGAC CTCTTCCGGG ACCCGGACCA CTGTCGCCAG GCCTACTCTG TCTATGCCTT CATGATCAGT CTTGGGGGCT GCCTGGGCTA CCTCCTGCCT GCCATTGACT GGGACACCAG 840 TGCCCTGGCC CCCTACCTGG GCACCCAGGA GGAGTGCCTC TTTGGCCTGC TCACCCTCAT 900 CTTCCTCACC TGCGTAGCAG CCACACTGCT GGTGGCTGAG GAGGCAGCGC TGGGCCCCAC 960 CGAGCCAGCA GAAGGGCTGT CGGCCCCCTC CTTGTCGCCC CACTGCTGTC CATGCCGGGC 1020 CCGCTTGGCT TTCCGGAACC TGGGCGCCCT GCTTCCCCGG CTGCACCAGC TGTGCTGCCG CATGCCCCGC ACCCTGCGCC GGCTCTTCGT GGCTGAGCTG TGCAGCTGGA TGGCACTCAT 1140 GACCTTCACG CTGTTTTACA CGGATTTCGT GGGCGAGGGG CTGTACCAGG GCGTGCCCAG 1200 AGCTGAGCCG GGCACCGAGG CCCGGAGACA CTATGATGAA GGCGTTCGGA TGGGCAGCCT 1260 1320 GGGGCTGTTC CTGCAGTGCG CCATCTCCCT GGTCTTCTCT CTGGTCATGG ACCGGCTGGT GCAGCGATTC GGCACTCGAG CAGTCTATTT GGCCAGTGTG GCAGCTTTCC CTGTGGCTGC 1380 CGGTGCCACA TGCCTGTCCC ACAGTGTGGC CGTGGTGACA GCTTCAGCCG CCCTCACCGG 1440 GTTCACCTTC TCAGCCCTGC AGATCCTGCC CTACACACTG GCCTCCCTCT ACCACCGGGA 1500 GAAGCAGGTG TTCCTGCCCA AATACCGAGG GGACACTGGA GGTGCTAGCA GTGAGGACAG 1560 CCTGATGACC AGCTTCCTGC CAGGCCCTAA GCCTGGAGCT CCCTTCCCTA ATGGACACGT 1620 GGGTGCTGGA GGCAGTGGCC TGCTCCCACC TCCACCCGCG CTCTGCGGGG CCTCTGCCTG 1680 TGATGTCTCC GTACGTGTGG TGGTGGGTGA GCCCACCGAG GCCAGGGTGG TTCCGGGCCG 1740 GGCATCTGC CTGGACCTCG CCATCCTGGA TAGTGCCTTC CTGCTGTCCC AGGTGGCCCC 1800 1860 ATCCCTGTTT ATGGGCTCCA TTGTCCAGCT CAGCCAGTCT GTCACTGCCT ATATGGTGTC TGCCGCAGGC CTGGGTCTGG TCGCCATTTA CTTTGCTACA CAGGTAGTAT TTGACAAGAG 1920 CGACTTGGCC AAATACTCAG CGTAGAAAAC TTCCAGCACA TTGGGGTGGA GGGCCTGCCT 1980 2040 CACTGGGTCC CAGCTCCCCG CTCCTGTTAG CCCCATGGGG CTGCCGGGCT GGCCGCCAGT TTCTGTTGCT GCCAAAGTAA TGTGGCTCTC TGCTGCCACC CTGTGCTGCT GAGGTGCGTA 2100 2160 GCTGCACAGC TGGGGGCTGG GGCGTCCCTC TCCTCTCC CCAGTCTCTA GGGCTGCCTG ACTGGAGGCC TTCCAAGGGG GTTTCAGTCT GGACTTATAC AGGGAGGCCA GAAGGGCTCC 2220 ATCCACTGGA ATGCGGGGAC TCTGCAGGTG GATTACCCAG GCTCAGGGTT AACAGCTAGC 2280 CTCCTAGTTG AGACACACCT AGAGAAGGGT TTTTGGGAGC TGAATAAACT CAGTCACCTG GTTTCCCATC TCTAAGCCCC TTAACCTGCA GCTTCGTTTA ATGTAGCTCT TGCATGGAG 2400 TTTCTAGGAT GAAACACTCC TCCATGGGAT TTGAACATAT GACTTATTTG TAGGGGAAGA 2460

OFFICE CONTROL	
GTCCTGAGGG GCAACACACA AGAACCAGGT CCCCTCAGCC CACAGCACTG TCTTTTTGCT	2520
GATCCACCC CCTCTTACCT TTTATCAGGA TGTGGCCTGT TGGTCCTTCTCTCCCATCA	2580
CAGAGACACA GGCATTTAAA TATTTAACTT ATTTATTTAA CAAAGTAGAA GCCAATCCAT	2640
TGCTAGCTTT TCTGTGTTGG TGTCTAATAT TTGGGTAGGG TGGGGGATCC CCAACAATCA	2700
GGTCCCCTGA GATAGCTGGT CATTCCCCCTC ATCATTCCCA CARTCCTCA	2760
CPGCCCCC AAAATGCCTA ACCCACCACCATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCCAAATGCAAATGCAAATGCAAATGCAAATGCAAATGCAAATGCAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAATGCAAAAATGCAAAATGCAAAAAAAA	
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CCCAACTTC CCCTACCCCC AACTTCCCCC ACCACCCC	3000
GCAGGACCAG AAGCACAAAC TAGGACTTTTCG CAAGCCCTGTT TGGAGCTACT	3060
GCAGGACCAG AAGCACAAAG TGCGGTTTCC CAAGCCTTTG TCCATCTCAG CCCCCAGAGT	3120
ATATCTGTGC TTGGGGAATC TCACACAGAA ACTCAGGAGC ACCCCCTGCC TGAGCTAAGG	3180
GAGGTCTTAT CTCTCAGGGG GGGTTTAAGT GCCGTTTGCA ATAATGTCGT CTTATTTATT	3240
TAGCGGGGTG AATATTTTAT ACTGTAAGTG AGCAATCAGA GTATAATGTT TATGGTGACA	3300
AAATTAAAGG CTTTCTTATA TGTTTAAAAA AAAAAAAAA AAAAAAAAA AAAAAAAA	3360
AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAAAAA	3410
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(2) INFORMATION FOR SEQ ID-NO:111:	-
(i) SEQUENCE CHARACTERISTICS:	
(R) TVDF, muslois is said	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear process from the manual action of A section	
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(ii) MOLECULE TYPE: CDNA CONSTRUCT ACTION OF L. 1500 CONSTRUCTION OF CONSTRUCTION	
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(vi) ORIGINAL SOURCE:	~ ·
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 111:	
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AGCCAGGCGT CCCTCTGCCT GCCCACTCAG TGGCAACACC CGGGAGCTGT TTTGTCCTTT	₹60
GIGGAGCCIC AGCAGIICCC ICTITCAGAA CTCACTGCCA AGAGCCCCTCA ACAGGAGGG	
CCATGCAGTG CTTCAGCTTC, ATTAAGACCA TGATGATCCT CTTCAATTTCC CTCATGCTTTCC	180
TOTOTOGIC ACCUTOTIC GCACTGGGCA TCTGGGTGTC AATCGATGCC CCATGGTTTTC	240
IGAAGAICTT CGGGCCACTG TCGTCCAGTG CCATGCAGTT TGTCAACGTG CCCTACTTCC	300
TCATCGCAGC CGGCGTTGTG GTCTTTGCTC TTGGTTTCCTT CCCCCTCCTTATT CCCCCTTATT	360.
CIGAGAGCAA GIGIGCCCTC GTGACGTTCT TCTTCATCCT CCTCCTCATC TTTCATTCCTC	420
AGGIIGCAGC IGCIGIGGTC GCCTIGGTGT ACACCACAAT GGCTGAGCAC TTCCTGACCT	480
TGCTGGTAGT GCCTGCCATC AAGAAAGATT ATGGTTCCCA GGAAGACACTTC ACTCAACTCT	540
GGAACACCAC CATGAAAGGG CTCAAGTGCT GTGGCTTCAC CAAGTATACC CATTTTCACC	600
CLAMIACACIC CAGGEAAACC TEECACCAACCAAAACAAAAAAAAAAAAAAAAA	660
	720
CIUDAATIII: GGCCTCCAC CTCCCTCCCA MAXMMOMOMO AS SSSSSSSSS	780
TACAATAAGT CCACTTCTGC CTCTGCCACT ACTGCTGCCA GATGGCAATC	
TACAATAAGT CCACTTCTGC CTCTGCCACT ACTGCTGCCA CATGGGAACT GTGAAGAGGC	900
ACCCTGGCAA GCAGCAGTGA TTGGGGGGAGG GGACAGGATC TAACAATGTG ACTTGGGCCA	960
GAATGGACCT GCCCTTTCTG CTCCAGACTT GGGGCTAGAT AGGGACCACT CCTTTTAGCG	20
AIGCLIGACT TICCTTCCAT TGGTGGGTGG ATGGGTGGGG GGCATTCCAG AGCCTCTAAC	080
GIAGCAGIT CIGITGCCCA TICCCCCAGI CIATTAAACC CTIGATATIC CCCCTACCCC	140
TAGIGGIGAT CCCAGIGCIC TACTGGGGGA TGAGAGAAAG GCATTTTATA CCCTGGGGAM	
AAGIGAAAIC AGCAGAGCCT CTGGGTGGAT GTGTAGAAGG CACTTCAAAA TGCATAAACC	
TGTTACAATG TTAAAAAAAA AAAAAAAAA	

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	·(ii) .	MOLE	CULE	TYP	E: p	rote	in		` :	-	, 1 ê	•	,	:		
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	Leu	Gly	Pro	Lув 20	Ile	Val	Ile	Val	Ser 25	Lys	Met	Met			Val	Phe
	Phe	Phe	Leu 35	Phe	Phe	Leu	Gly	40		Leu	Val	200	Tyr 45	Gly	Val	
	Thr	Glu 50	Gly	Leu	Leu	Arg	Pro 55	Arg	Asp	Ser	Asp	Pne 60	Fro	Ser	Ile	Leu
	Arg 65	Arg	Val	Phe	Tyr	Arg 70	Pro	Tyr	Leu	Gln	11e 75	Phe	Gly	Gln	Ile	Pro 80
	Gln	Glu	Авр	Met	Asp 85	Val	Ala	Leu	Met	Glu 90	His	Ser	Asn	Сув	Ser 95	Ser
				100					105		Ala	Gln		Gly 110		
. •	Val	Ser	Gln 115	Tyr	Ala	e Asn	Trp	Leu 120	Val	Val	Leu	Leu	Leu 125		Ile	Phe
		Leu 130			Asn		Leu 135				Leu	140		Ala		Phe
	Ser	Tyr	Thr	Pne	Gly	Lys	Val	Gln	Gly	Asn	Ser	Asp	4,			Lys 160
•	Ala	Gln	Arg	Tyr	Arg	Leu	Ilė	Arg	Glu	Phe	His	Ser	Arg	Pro	A1a 175	Leu
	Ala	Pro	Pro	100	Ile	Val	Ile	Ser	His	Leu	Arg	Leu	Leu	Leu 190	Arg	Gln
	Leu	Cys	Arg	Arg	Pro	Arg	Ser	Pro	Gln	Pro	Ser	Ser	Pro	Ala	Leu	Glu

His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr

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Ly	s Arg	g Glu	ı Ser	245	Ser	Glu	Arg	Lei	1 Ly: 25:	s Arg	Thr	Sei	Gli	Lys 255		
Ası	) Let	ı Ala	260	Lys	Gln	Leu	Gly	His 265	s/Ile				270			
Let	ı Lys	275	Leu	Glu	Arg		280			ı Cys	Ser	Arg 285	Val	Leu	Gly	
Trp	Val 290	Ala	Glu	Ala	Leu	Ser	Arg	Ser	Ala	Leu	Leu	Pro	Pro	Gly	Gly	
Pro 305	Pro	Pro	Pro	Asp	Leu 310	Pro	Gly	Ser	Lys	Asp 315		6.7 e		· · · ·		
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(ii)	MOL	BCULI	E TYI	i'i y PE: p	rote:	in	51 <sup>†</sup> .	Å2, K	5 · ° ;	j ę .	'. ?	· : .	· • <u>:</u>		10	
(vi)	ORIO	GINAI ) ORG	L SOU	RCE:	omo a	sapi	ens	ሜ '.	-:	· • •	::: :	. •	••			
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Gln	Leu	Leu	Leu	Val A	Asn I	eu 1	Leu	Thr	Phe	Gly	Leu	Glu	Val	Cys 1	Leu	
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Ala	Ala	Gly 35	Ile	Thr 1	lyr V	al I	Pro	Pro	Leu	Leu	Leu (	Glu 45	Val (	Gly V	/al	
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٠	50 50	Lys :- :	Phe 1	Met I	hr M	5	/al 1	Leu 	Gly	Ile	60	Pro	Val 1	Leu (	Ely :	
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Arg	Tyr	. • •	. 8	Arg A 85	rg P	ro P	he I	[le	Trp 90	Ala 1	Leu S	Ser :	Leu (	3ly 1 95	le	
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Leu	Суs	Pro 115	Asp	Pro	Arg	Pro	Leu 120	Glu	Leu	Ala		125	Ile	Leu :	Gly
Val	Gly 130	Leu				135					Phe 140			Leu	
Ala 145	Leu	·	ser	Asp	Leu 150	Phe	Arg.	Ąsp	Pro	Asp 155	His	Cys	Arg	Gln	Ala 160
Tyr	Ser	Val	Tyr	Ala 165	Phe	Met	Ile		Ļeu 170	Gly	Gly			Gly 175	Tyr
Leu	Leu	Pro	Ala 180	Ile	Asp	Trp	Asp	Thr 185	ser	Ala	ьeu	Ala	190	Tyr	Leu
Gly	Thr	195	Glu	Glu	Суз	Leu	Phe 200	Gly	Leu	Leu	Thr	Leu 205	Ile	Phe	Leu
Thr	Cys 210	Val	Ala	Ala	Thr	Leu 215	Leu		Ala	Glu	Glu 220			Leu	·
Pro 225	Thr	Glu			230			Ser	Ala	Pro 235	Ser	Leu	Ser	Pro	His 240
Cys	Сув	Pro	Cys	Arg 245	Ala	Arg	Leu		Phe 250	Arg	Asn	Leu		Ala 255	Leu
Leu	Pro	Arg	Leu 260	His	Gln	Leu	Сув	265	Arg	Met	Pro	Arg	Thr 270	Leu	Arg
Arg	Leu	Phe 275		Ala	Glu	Leu	280	Ser	Trp	; (	Ala	Leu 285	Met	Thr	Phe
Thr	Leu 290		Tyr	Thr	Asp	Phe 295	Val	Gly	Glu	Gly	Leu	Tyr	Gln	Gly	Val
Pro 305	_	Ala	Glu	Pro	Gly 310		Glu	Ala	Arg	Arg	His	Tyr	Asp	Glu	Gly 320
Val	Arg	Met	Gly	Ser 325	Leu	Gly	Leu	Phe	Leu ,330	Gln	Cys	Ala		Ser ,335	
			340					345					350		
Ala	Vai	Tyr 355	Leu	Ala	Ser	Val	Ala 360	Ala	Phe	Pro	Val	Ala 365	Ala	Gly	Ala
Thr	7 Cys 370	Leu ,	Ser	His	Ser	Val 375	Ala ;	Val	Val	Thr	380	Ser	Ala	. Ala	Leu
Thr	Gly	Phe	Thr	Phe	Ser	Ala	Leu	Gln	Ile	Leu	Pro	Tyr	Thr	Leu	Ala

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1 Leu	Gln	Phe 1	Leu (	5 Cys (	Glv 2	Ala i	Ala 1	Leu :	10 🤽 Leu 2	Ala V	j Zal (	in Turi		15	
Met	Gln	Суз	Phe :	Ser 1	Phe I	Ile I	Lys '	Thr	Met 1 10 %	Met 1	[le ]		• • •	Asn 1	Leu
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(ii)	MOLE	CULE	TYP									÷.			
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, .:	(B)	TYP	E: a	minc	ami: aci:	ď, , ;	ti .:			. 37	·	٠.,	i.		*
	SEQU	ENCE	СНА	RACT	ERIS'	TICS	€ • 5 °	•			:	111		. •:	
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	Leu 530	Gly	Leu :	Val	Ala	Ile 535	Tyr	Phe	Ala	Thr	Gln 540	Val	Val	Phe	Asp
•	Val	515	• ,		•.	. •	520	**				525	, ,		
			500					505		,	•		510		
Ser	Ala	Phe	Leu	Leu	Ser	Gln	Val	Ala	Pro	Ser			i.		
Arg	Val	Val	Pro	Gly	Arg	Gly	Ile	Сув	Leu	Asp	Leu	Ala		Leu 495	
Ala 465	Cys	Asp	Val	Ser	Val 470	Arg	Val	Val	Val	Gly 475	Glu	Pro	Thr	Glu	Ala 480
Gly	Gly 450	Ser	Gly	Leu	Leu	Pro 455	Pro	Pro	Pro	Ala	Leu 460	Сув		Ala	Ser
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Ser Ala Met Gln Phe Val Asn Val Gly Tyr Phe Leu Ile Ala Ala Gly

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٠	Glu	Ser	Lys	·Cys	Ala-	Leu	Val	Thr	Phe	Phe	Phe	Ile	Leu	Leu	Leu	Ile
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	Phe	Ile	Ala	Glu	Val	Ala	Ala	Ala	Val	Val	Ala	Leu	Val	Tyr	Thr	Thr
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	Met	Ala		His	Phe	Leu	Thr		Leu	Val					Lys	Lys
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	Arg	Thr	Asn	Ala	Val	Thr	Val	Gly	Gly	Val	Ala	Alá	Gly	Ile	Gly	Gly
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	(vi)	ORI	GINA	L SO	URCE	·	. ,				.i .			.· ·.		
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:115:

(A) ORGANISM: Homo Sapiens

GCTCTTTCTC TCCCCTCCTC TGAATTTAAT TCTTTCAACT TGCAATTTGC AAGGATTACA CATTTCACTG TGATGTATAT TGTGTTGCAA AAAAAAAAA GTGTCTTTGT TTAAAATTAC TTGGTTTGTG AATCCATCTT GCTTTTTCCC CATTGGAACT AGTCATTAAC CCATCTCTGA ACTGGTAGAA AAACATCTGA AGAGCTAGTC TATCAGCATC TGACAGGTGA ATTGGATGGT TCTCAGAACC ATTTCACCCA GACAGCCTGT TTCTATCCTG TTTAATAAAT TAGTTTGGGT TCTCTACATG CATAACAAAC CCTGCTCCAA TCTGTCACAT AAAAGTCTGT GACTTGAAGT TTAGTC	60 120 180 240 300 360 366
(2) INFORMATION FOR SEQ ID NO:116: 1 Page 1	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 282 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	- •
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
	•
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:116:	
ACAAAGATGA ACCATTTCCT ATATTATAGC AAAATTAAAA TCTACCCGTA TTCTAATATT . GAGAAATGAG ATNAAACACA ATNTTATAAA GTCTACTTAG AGAAGATCAA GTGACCTCAA AGACTTTACT ATTTTCATAT TTTAAGACAC ATGATTTATC CTATTTTAGT AACCTGGTTC ATACGTTAAA CAAAGGATAA TGTGAACAGC AGAGAGGATT TGTTGGCAGA AAATCTATGT	60 120 180
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TCAATCTNGA ACTATCTANA TCACAGACAT TTCTATTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:	
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TCAATCTNGA ACTATCTANA TCACAGACAT TTCTATTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid	
TCAATCTNGA ACTATCTANA TCACAGACAT TTCTAFTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	
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TCAATCTNGA ACTATCTANA TCACAGACAT TTCTAFTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	
TCAATCTNGA ACTATCTANA TCACAGACAT TTCTAFTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:	
TCAATCTNGA ACTATCTANA TCACAGACAT TTCTAFTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	
TCAATCTNGA ACTATCTANA TCACAGACAT TTCTATTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:117:	
TCAATCTNGA ACTATCTANA TCACAGACAT TTCTAFTCCT TT  (2) INFORMATION FOR SEQ ID NO:117:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens	

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 71 base pairs

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(	(ii)	MOLE	CULE T	YPE: c	DNA								
(	(vi)		INAL SO		lomo sa	piens	i gran		** ********	, , , ,	P [ ( <sup>()</sup>		
(	(xi)	SEQU	ENCE D	ESCRIF	TION:	SEQ ID	NO:118	8:					
ACCA	AGGTO	T NT	GAATCT	CT GAC	GTGGGG	A TCTCT	<b>IGATTC</b>	CCGCAC	CAATC	TGAGT			60
AANTO	ירידונו	20 T		٠, ٠,		42 14				f 4.			71
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"(2) ] ·	INFO	RMATI	ON FOR	SEQ 1	D NO:T	<b>19:</b> "							Y(Z)
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		(B)	TYPE:	nucle	eic aci	d		1.52%				٠.	
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		(D)	TOPOL	OGI. 1	Incar		· · · · · · · · · · · · · · · · · · ·	: : :		·	. 1.:		
	(ii)	MOLE	CULE T	YPE: C	DNA			.م ماند عداد				, .	*
	(wi)	ORTG	INAL S	OURCE:									
	(					piens		-, Tallio			14.11		
	(vi)	SEOIT	RNCE D	ESCRII	TON:	SEQ ID	NO:11	9:	5000	, i		. ;	
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GAAA	ATGG	GG TG	AAATTG	GC CA	ACTTTCT	A TNAÁC T TGAA	CTTATG	TTGGC	AANTT TAANC	CGAAT	CAAC		120 180
AGTA	GANT	CA AG	ANACTO	CC AG	CCTCAG	C GT			i. , , , , ,		97 T. S		212
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		(D)	TOPOL	OGY:	linear								
	(ii)	MOLE	CULE 1	YPE:	cDNA						·		
	(zri )	ORTO	SINAL S	OTTPCE	•			v .					-
•	(41)			ISM:	Homo sa	piens					•		• • •
	(xi)	SEQU	JENCE I	ESCRI	PTION:	SEQ ID	NO:12	:0:					
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٠.		1		ا با نیم	ID NO:		•	•			•	• • •	
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(A) LENGTH: 218 base pair	S	
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	*	
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: cDNA		
(22) MODECORE 11PE: CUNA		
(mi) ORTGINAL CO		
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens	3	
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(x1) SEQUENCE DESCRIPTION: SEQ ]	ID NO:121:	
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TGTANCGTGA ANACGACAGA NAGGGTTGTC AAA	AATCCAC AANCOMMON A COMMON AND AND AND AND AND AND AND AND AND AN	
GAATAAGATT TGCTAAAAGA TTTGGGGCTA AAA	CARCONN AMUCCITGAA GTCATTTTGA	· 6
ATATNCANGT AAATTANCCA ATCAATTCAM COM	CATGGTT ATTGGGAGAC ATTTCTGAAG	12
ATATICANGT AAATTANGGA ATGAATTCAT GGT	TCTTTTG GGAATTCCTT TACGATNGCC	1.8
AGCATANACT TCATGTGGGG ATANCAGCTA CCC	TIGIA	21
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(2) INFORMATION FOR SEQ ID NO:122:	Contest sail 118 Statistics (	
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(i) SEQUENCE CHARACTERISTICS:	and the second of the second o	
(A) LENGTH: 171 base pairs		
(B) TYPE: nucleic acid	The state of the sales of the s	
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear	S. M. S. STATO COMES OF LAND	
(2) IOLOBOGI: IIHedr		
(ii) MOLECUIE myon	Charles St. A.	
(ii) MOLECULE TYPE: cDNA	सार्वे के के किया है। अपने के किया है।	
(V1) ORIGINAL SOURCE: P. A. A. Ob. O	an one weather to see that a live is	
orderish: Homo sapiens		
A STATE OF THE STA	MART TOTAL NEW ELECTION CO. LEGISLET CO.	
(xi) SEQUENCE DESCRIPTION: SEQ II	D NO:122:	- 10s
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TAGGGGTGTA TGCAACTGTA AGGACAAAAA TTGA	AGACTCA ACTOCOMINA ACTOR AND ACTOR	
CATTTGTTAG CTCATGGAAC ACGAACTCCC ACCC	TOCCOOL AMORES S.	60
CATTTGTTAG CTCATGGAAC AGGAAGTCGG ATGC	TOGGGC ATCTTCAGTG CTGCATGAGT	120
CACCACCCG GCGGGGTCAT CTGTGCCACA GGTC	CCTGTT GACAGTGCGG T	171
(2) INFORMATION FOR SEQ ID NO:123:		
	The state of the s	
(i) SEQUENCE CHARACTERISTICS:	the second of the	
(A) LENGTH: 76 base pairs	e na	•
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	object of ISANIA (A)	•
(D) TOPOLOGY: linear		
(2) TOPOLOGI: TIMEAR	A MOTHER OF THE STATE OF THE SECOND	
(ii) MOI POW	•	
(ii) MOLECULE TYPE: cDNA	CHAIRTING CONTRACTORS	
	error of the Carlot State	
(VI) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens	the state of the s	
(XI) SEQUENCE DESCRIPTION, CEO. IN	NO. 122	
	NO:123.: 100 34. 100 34.	:
•	**	••
TGTAGCGTGA AGACNACAGA ATGGTGTGTG CTGTC	GCTATC CAGGAACACA TTTATTATCA	60
TTATCAANTA TTGTGT		76
		, 0
(2) INFORMATION FOR SEO ID NO.124.		

(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 131 base pairs	
(B) TYPE: nucleic acid	le de la servicio de la Arricha e la
(C) STRANDEDNESS: single	•
(p) TOPOLOGY: linear	
(D) TOPOLOGI: IIIlear	
<i>:</i>	
(ii) MOLECULE TYPE: cDNA	
	The state of the s
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(11) 011012111111111111111111111111111111	res r
(xi) SEQUENCE DESCRIPTION: SEQ ]	ID NO.124.
(X1) SEQUENCE DESCRIPTION: SEQ 1	ID NO:124:
ACCTTTCCCC AAGGCCAATG TCCTGTGTGC TAA	ACTGGCCG GCTGCAGGAC AGCTGCAATT 60
CAATGTGCTG GGTCATATGG AGGGGAGGAG ACT	CTAAAAT AGCCAATTTT ATTCTCTTGG 120
TTAAGATTTG T	131
(2) INFORMATION FOR SEQ ID NO:125:	
(2) INFORMATION FOR BEQ ID NO. 123.	
	and the first of the state of the state of
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 432 base pairs	3
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(b) Torobodi. Timedi	Balton Barton Committee (1980)
(ii) MOLECULE TYPE: cDNA	Bright of the Bright of the
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	<b>s</b>
	The section of the section of
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:125:
(112) 526-11-52 5-5-5	
ACTITATCTA CTGGCTATGA AATAGATGGT GG	AAAATTGC GTTACCAACT ATACCACTGG 60
CTTGAAAAAG AGGTGATAGC TCTTCAGAGG AC	
CTTGAAAAAG AGGTGATAGC TCTTCAGAGG AC	ATTTGGAT TAAATGAGGA TGCTGAAGAT 180
CTACAGTCTG CATTTGGCAG AAATGAAGAT GA	ATTIGGAT TAAATGAGGA TGCTGAAGAT 100
TTGCCTCACC AAACAAAGT GAAACAACTG AG	AGAAAATT TTCAGGAAAA AAGACAGTGG 240
CTCTTGAAGT ATCAGTCACT TTTGAGAATG TT	TCTTAGTT ACTGCATACT TCATGGATCC 300
· CATGGTGGGG GTCTTGCATC TGTAAGAATG GA	ATTGATTT TGCTTTTGCA AGAATCTCAG 360
CAGGAAACAT CAGAACCACT ATTTTCTAGC CC	TCTGTCAG AGCAAACCTC AGTGCCTCTC 420
CTCTTTGCTT GT	432
Cacillacii di	The second secon
(2) INFORMATION FOR SEQ ID NO:126:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 112 base pair	s
(B) TYPE: nucleic acid	
	Francisco Company
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	the state of the s
(22) 110220022 2222	
/ ') optotime compan	A Committee of the Comm
(vi) ORIGINAL SOURCE:	

(A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ I	D NO:126:
ACACAACTTG AATAGTAAAA TAGAAACTGA GCT AGTAAGAATG ATATTTCCCC CCAGGGATCA CCA	AATATTT ATAAAAATTT GT 11
(2) INFORMATION FOR SEQ ID NO:127:	Communication of the second of
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 54 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	The state of the s
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	প্রক্রিক বিধান ক্ষেত্রকার করে এক ক্ষেত্রকার প্রক্রিক। ১৯৮২টা ১৯৮৪ জন্ম কর্মকার করে। সংগ্রেম ক্ষেত্রকার ক্ষরতার বিধান ক্ষেত্রকার বিধান ক্ষরতার ক্ষরতার ক্ষরতার ক্ষরতার বিধান
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:127:
ACCACGAAAC CACAAACAAG ATGGAAGCAT CAAT	CCACTT GCCAAGCACA GCAG 54
(2) INFORMATION FOR SEQ ID NO:128:	e service of the lightness of the lightn
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 323 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	A REPORT OF TWO PLANTS OF THE
(A) ORGANISM: Homo sapiens	
ANTA DESCRIPTION: SEO ID	NO:128:  TCTAA TGTCTCCCCT CTACCAGCTC  AGATT TCTCCTTTGC TCTCTGCTCA  CCCATT ATAGGCAATA AACACAGTTC  BATGG TTTTCCTTTT TCTTAGGCTT
(2) INFORMATION FOR SEQ ID NO:129:	DE LES FORKAÇÎN DIFINE.
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 192 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	TO CONTROL AND LIGHT OF THE STATE OF T
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	

(A)	ORGANISM:	Homo	sapiens
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(xi)	SEQUENCE	DESCRIPTION:	SEQ	ID NO:	129	€:		ĩ	-
•	-							1.0	

ACATACATGT GTGTATATTT TTAAATATCA CTTTTG	STATC ACTCTGACTT TTTAGCATAC 60
TGAAAACACA CTAACATAAT TTNTGTGAAC CATGAT	CAGA TACAACCCAA ATCATTCATC 120
TAGCACATTC ATCTGTGATA NAAAGATAGG TGAGTT	
CATAAACAAA GT	192

#### (2) INFORMATION FOR SEQ ID NO:130:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 362 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: CDNA

    (vi) ORIGINAL SOURCE:
  - (vi) ORIGINAL SOURCE:
    - (A) ORGANISM: Homo sapiens
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:130:

СССТТТТТТА	TGGAATGAGT	AGACTGTATG	TTTGAANATT	TANCCACAAC	CTCTTTGACA	60
TATAATGACG	CAACAAAAAG	GTGCTGTTTA	GTCCTATGGT	TCAGTTTATG	CCCCTGACAA	120
CHARACTORCO	TOTTTCCCC	ATCTTCTGGC	TAATCGTGGT	ATCCTCCATG	TTATTAĞTAA	180
GTTTCCATTG	1GIIIIGCCG	ACGCCTGGTA	CATCTAACCT	CCTANGAGGC	ΤΑΑΓΤΤΑΤΑ	240
TICIGIATIC	CATTITGITA	TTGTGGTCAT	MANA A MOCCO	AUTONOCC	አርርስርጥጥጥልጥ	300
CTTATTTAAA	AGCTCTTATT	TIGIGGICAT	TAAAATGGCA	ATTIATGIGC	AGCACTITAT	360
TGCAGCAGGA	AGCACGTGTG	GGTTGGTTGT	AAAGCTCTTT	GCTAATCTTA	AAAAGTAATG	
GG						362

## (2) INFORMATION FOR SEQ ID NO:131:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 332 base pairs (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:131:

(,	-		:		, · ·	•	
CTTTTTGAAA GAT	CGTGTCC	ACTCCTGTGG	ACATCTTGTT	TTAATGGAGT	TTCCCATGCA	60	
GTANGACTGG TAT	GGTTGCA	GCTGTCCAGA	TAAAAACATT	TGAAGAGCTC	CAAAATGAGA	120	
GTTCTCCCAG GTT	CGCCCTG	CTGCTCCAAG	TCTCAGCAGC	AGCCTCTTTT	AGGAGGCATC	180	
TTCTGAACTA GAT	TAAGGCA	GCTTGTAAAT	CTGATGTGAT	TTGGTTTATT	ATCCAACTAA		
CTTCCATCTG TTA				GACNGGTACG	GATTGTGGGC	300	
ATANAAGGAT TGG	GTGAAGC	TGGCGTTGTG	GT	•		332	

<sup>(2)</sup> INFORMATION FOR SEQ ID NO:132:

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

4.1		•
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 322 base pairs	6	S. T. S.
(B) TYPE: nucleic acid		
(C) STRANDEDNESS; single		
(C) SIRANDEDNESS; SINGLE	The William Africa	* **
TOPOLOGY: Linear No year		EATTERS OF ALL LINE
TO NOTIONAL BUT AND THE PROPERTY.	and which is a first with	GENERAL TRANSPORT
(ii) MOLECULE TYPE: cDNA		110 PM - 1
() ODIGINAL GOVERN	•	
(vi) ORIGINAL SOURCE:	. (₹ × ± ) (tr.8 ≈	and the state of the second
(A) ORGANISM: Homo sapiens		v .
•	ા અંત્રાન્ય કર્યા છે.	. 60 <b></b>
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO.132	1.7
A CONTINUE CO. A. CONTINUE CO. A. C.	r vas kreek kreek	$x \mapsto (\mathbf{E}_x)$
ACTITIGCCA TITIGTATAT ATAAACAATC TIGG	GACATT CTCCTGAAAA	CTAGGTGTCC 60
AGTGGCTAAG AGAACTCGAT TTCAAGCAAT TCTG	AAAGGA AAACCAGCAT	GACACAGAAT 120
CTCAAATTCC CAAACAGGGG CTCTGTGGGA AAAA	TGAGGG AGGACCTTTG	TATCTCGGGT 180
TTTAGCAAGT TAAAATGAAN ATGACAGGAA AGGC	የሞልጥጥ አጥሮአአርአልአር፡	AGAAGAGTTG 240
GGATGCTTCT AAAAAAACT TTGGTAGAGA AAAT	ACCARE GOMENAMO	AGAAGAGIIG 240
CONTROL TO A STANDARD CO	AGGAAT GCTNAATCCT	
GTAACAATCT ACAATTGGTC CA	1971	322
	* 1	
(2) INFORMATION FOR SEQ ID NO:133:		
· · · · · · · · · · · · · · · · · · ·	· •	
(i) SEQUENCE CHARACTERISTICS:	* * *	
(A) I PROMIL 270 been as in		
(A) LENGTH: 278 base pairs		r vojek saterojak
(B) TYPE: nucleic acid		er a frisk europa skrivatik kartisk frij
(C) STRANDEDNESS: single	SE USE LO DO LAS	to a first and a set the setting of
(D) TOPOLOGY; linear regarding	1.7	
A Property of the Control of the Con		THE REPORT OF STATES
(ii) MOLECULE TYPE, COM	the second second	
(ii) MOLECULE TYPE: CDNA	AA DALAN	
		*;
(vi) ORIGINAL SOURCE:		•
(A) ORGANISM: Homo sapiens		
·		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO.133.	
(, bagomed babokiriton. bbg ip		
202200000000000000000000000000000000000		
ACAAGCCTTC ACAAGTTTAA CTAAATTGGG ATTAA	TCTTT CTGTANTTAT	CTGCATAATT 60
CTTGTTTTC TTTCCATCTG GCTCCTGGGT TGACA	ATTTG TGGAAACAAC	TCTATTGCTA 120
CTATTTAAAA AAAATCACAA ATCTTTCCCT TTAAG	CTATG TTNAATTCAA	ACTATTCCTG 180
CTATTCCTGT TTTGTCAAAG AAATTATATT TTTCA	<b>ΔΔΔ</b> ΤΔ ጥርጥለጥለጥጥር	TTTGATGGGT 240
CCCACGAAAC ACTAATAAAA ACCACAGAGA CCAGC	Oma	111GA1GGG1 240
COUNCIANC ACTAMINANA ACCACAGAGA CCAGC	CIG	278
(a) · · ·		
(2) INFORMATION FOR SEQ ID NO:134:	,	1. 2. 14. 3
	ragging of the state	eje sa ki je je i je
(i) SEQUENCE CHARACTERISTICS:		· · · · · ·
(A) LENGTH: 121 base pairs		
(W) ming. 121 Dase Dalls.		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: cDNA		

	(xi)	SEQUI	ence i	DESCRI	PTION: S	EQ ID NO:13	4:	·	. * 2:	* -		
TGAT"						AAAGAATGTT ATGTTATTTT	AAACTTT	GTA ATT	TTTTAA TTGCTT	TTGG		120
T							•		ä	F** +		121
(2)	INFOR	MATIO	ON FOR	R SEQ	ID NO:13	5:			The State of the S			
	(i)	SEOU	ENCE (	CHARAC	TERISTIC	S:	٠	•	-1.			
	(_,					airs		1.	11.	•	•	
					eic acid					٠		
						le						
• •	7	j. (Đ)	TOPOI	JOGX:	linear		•	٠.	. 1.7 %			
1.5				·				•		,		
	(ii)	MOLE	COLE 1	TYPE:	cDNA					· · · · · · · · · · · · · · · · · · ·		
	( <b>:</b> )	OD TO	TNIAT (	OURCE	•	Ł.						· · .
	(AT)					iens	4 .7 .7				·	
		(A)	ORGAL	ALDII.						•		
	(xi)	SEOU	ENCE I	DESCRI		EQ ID NO:13					•	
	•	_								. =		
						CCTCAAAGAA						60
						CAAAGGTCAG						120
						TAGTATACAG						180
						CTGTGCCAGN						240
						CTGCAATTGG					٤.	300
TTCC	CAAGG	A TG	CAAAG	CCT. GG	TGCTCAAC	TCCTGGGGC	TCAACTC	AGT		• •		350
(2)	INFOR	MATI	ON FOI	R SEQ	ID NO: 13	<b>6:</b> 01. (13. js.)	· (	Ş · . · ·	a trait	2.5	•	
	(i)	SEQU	ENCE <sub>2</sub> (	CHARAC	TERISTIC	S:			e :		!	
2		(A)	LENG	rh: 39	9 base p	airs	3 2 8 at " "	11.				
		(B)	TYPE	: nucl	eic acid	*/- :			,	i i	٠,	
1.3		· (C)	STRA	NDEDNE	SS: sing	<b>le</b>			22 T ?	70	· .	
. (; *)		(D)	TOPO	LOGY :	linear :	groupe Janes Standard Land					•.	
	(ii)	MOLE	CULE :	TYPE:	CDNA						•	
							E Well	(f		• .		*
	(vi)	ORIG	INAL :	SOURCE	:	•			•			- "
					Homo sap	iens	1 7	:	· · · · · · · · ·	*,		
	(xi)	SEQU	ENCE I	DESCRI	PTION: S	EQ ID NO:13	36: 1 : 1 :				•	
						CAGGGACAGG						60
						GAAAAGATA						120
						ACAGGAAGG						
						GCTTCTTCCT						240
						GTGGGTANGT					• :	
						CCTACAGCC	GCATGCC	CAC	TGGCGT	GATG		360
GGTG	CAGAN	IG GA	TGAAG	CAG CC		TGCTGTGGT		,				399
(2)	INFOR				ID NO:13							
:						$\mathcal{F}_{2}^{n} + \mathcal{F}_{3}^{n} + \mathcal{F}_{3}^{n} + \mathcal{F}_{3}^{n} = \mathcal{F}_{3}^{n} + \mathcal{F}$				1: :		
	(i)	SEQU	ENCE LENG	CHARAC TH: 16	TERISTIC 5 base p	s: airs						

(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	·	
(D) TOPOLOGY: linear	files in the second of the second of	٠.
the first transfer by the second		,
(ii) MOLECULE TYPE: cDNA	,	
(II) MODECODE TIPE: CDNA		
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:137	e en	
	·	
ACTGGTGTG TNGGGGGTGA TGCTGGTGGT ANAAGTTGAN C		
GGAGGAAGTG TGTGAACGTA GGGATGTAGA NGTTTTGGCC C		<u>}</u> 0
TTGGCTGGTC CCACTGGTGG TCACTGTCAT TGGTGGGGTT C		55
·		
(2) INFORMATION FOR SEQ ID NO:138:	·	•
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 338 base pairs (B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
d (D) TOPOLOGY: linear 2020 022 0		
THE POST OF THE PARTY OF THE PARTY OF THE		
(ii) MOLECULERTYPE: CDNA S EXTR ACUST L &	$A = 7.46 \pm 300  \mathrm{GeV}  \mathrm{MeV}  $	٠.
THE TOTAL CONTROL OF STREET OF THE STREET OF		
and (vi) (ORIGINAL SOURCE: ABOUT 1 OFF LADE 15 D.A.	ar viti, other are medice	
(A) ORGANISM: Homo sapiens Com Date	tan program i merty a cyenya i merye i teliye	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:138:		,
ACTCACTGGA ATGCCACATT CACAACAGAA TCAGAGGTCT G	MODE & A CAME MADE MOCCOMOC	
TTAACTTCTC CAGTAAGAAT CAGGGGCTTG AAATGGAAAC G		0
TGCTGGGCAG TCTCCCATGC CTTCCACAGT GAAAGGGCTT G	SAGAAAAATC ACATCCAATG 18	Ó
TCATGTGTTT CCAGCCACAC CAAAAGGTGC TTGGGGTGGA G		0
CANGCCTCAG GAAGCCTCAA GTTCCATTCA GCTTTGCCAC T	GTACATTCC CCATNTTTAA 30	0
AAAAACTGAT GCCTTTTTTT TTTTTTTTTT TAAAATTC	33	8
•	$S_{ij} \rightarrow S_{ij} \rightarrow 2K_i + 2K_j + 2K_$	
(2) INFORMATION FOR SEQ ID NO:139:		
•	The Allert Control of the Control of	
(i) SEQUENCE CHARACTERISTICS:	Living to the majorate of	
	The state of the s	
(A) LENGTH: 382 base pairs		
(B) TYPE: nucleic acid. * No All Control of the Con		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
$oldsymbol{\epsilon}$ . The second constant $oldsymbol{\epsilon}$ is the second constant $oldsymbol{\epsilon}$ . We have $oldsymbol{\epsilon}$ is	postura de latras especiales en entre en	
(ii) MOLECULE TYPE: cDNA	Assistance of the second	
	in the second of	
(vi) OPICINAL COMPCE.		
(vi) ORIGINAL SOURCE: W.		
(A) ORGANISM: Homo sapiens	to the contract of the contrac	
(A) ORGANISM: Homo sapiens	ting a single part of the first term of the single part of the single	
(A) ORGANISM: Homo sapiens	ting a single part of the first term of the single part of the single	
(A) ORGANISM: Homo sapiens	ting a single part of the first term of the single part of the single	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:		
(A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:  GGGAATCTTG GTTTTTGGCA TCTGGTTTGC CTATAGCCGA GG	GCCACTTTG ACAGAACAAA 6	0
(A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:	GCCACTTTG ACAGAACAAA 6 GTGCCCGAA GTGAAGGAGA 12	0

	GGTGCT ACCGGACTCT				
	TACACC CCACAGGGCC				300
	CCATCC TCCTTCATGC				360
GCCTGGAACT TGTT	TAAAGT GT	** ** a f			382
•	FOR SEQ ID NO:14				
(i) SEQUENC	CE CHARACTERISTIC	<b>s:</b>	Transfer of the second	* W	• • •
(A) L	ENGTH: 200 base p	airs .		,: :	- '
' (B) T	YPE: nucleic acid				
(C) S	TRANDEDNESS: sing	le		No. M	
(D) T(	OPOLOGY: linear	رو د ما المائيل المسير م 			
(ii) MOLECUI	LE TYPE: CDNA			inglese Oppger oo≢ ookstool	
	AL SOURCE:			$(X_{i,j}, \dots, X_{i-1}, \dots, X_{i-1}, \dots, X_{i-1})$	
	RGANISM: Homo sap				
(xi) SEQUENC	CE DESCRIPTION: S	EQ ID NO:140	): 5 <sup>th</sup>		
		· · · ·	MA CONTRACTOR		-
	CTGTTG TGTTNGATTT				60
	ANCTTT TGTTAAGTGT				120
	CTTGTA TGTGTTTGTC	TCTTANAGCA	TTGGTGAAAT	CACATATTTT	180
ATATTCAGCA TAAA	GGAGAA				200
(a) TYPODMARTON	POD GEO ID NO.14	• .		• • • • •	•
(2) INFORMATION	FOR SEQ ID NO:14	1:			,
(i) SEQUENC	CE CHARACTERISTIC	<b>R•</b> Feed Cri			
	ENGTH: 335 base p			, ,	
(B) m	YPE: nucleic acid	ita it weel.		jārstrik "	
	TRANDEDNESS: sing				
(D) Tr	OPOLOGY: linear				
en de la companya de		Maria de Carta de Car	eritte in der	er gering beginning er	$\mathbb{N}_{+}$ $\mathcal{I}\mathcal{E}(\Delta \mathbb{R}_{+})$
(ii) MOLECU	LE TYPE: cDNA		1153.7		
•				•	
(vi) ORIGINA	AL SOURCE:			. Vill 2004	e' t
(A) O	RGANISM: Homo sap	iens			
				1 1 2	
(xi) SEQUEN	CE DESCRIPTION: S	EQ ID NO:14:	L: ''	<b>*</b>	
•					
	ACACTC ATATGTTGCA				60
	CTTCAA GTCACAGACT				120
	CCCAAA CTAATTTATT				180
	CCATCC AATTCACCTG				240
	CAGAGA TNGGTTAATG	ACTANTTCCA	ATGGGGAAAA	AGCAAGATGG	300
ATTCACAAAC CAAG	TAATTT TAAACAAAGA	CACTT			335
(6)			•	•	•
(2) INFORMATION	FOR SEQ ID NO:14	2: 			•
(:) anor				* . *.*	
	CE CHARACTERISTIC				· ·
(A) L	ENGTH: 459 base p	airs			· · · · · · · · · · · · · · · · · · ·
(B) T	YPE: nucleic acid TRANDEDNESS: sing			in de la company de la comp La company de la company d	,
	TRANDEDNESS: sing	Te (	3.		
(131 17	LIGHTARIA CANCEL				

(ii) MOLECULE TYPE: cDNA		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		٠.
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens		
·		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	142:	
·		
ACCAGGTTAA TATTGCCACA TATATCCTTT CCAATTGCC	GG GCTAAACAGA CGTGTATTTA	6
GGGTTGTTTA AAGACAACCC AGCTTAATAT CAAGAGAAA	AT TGTGACCTTT CATGGAGTAT	12
CTGATGGAGA AAACACTGAG TTTTGACAAA TCTTATTT	TA TTCAGATAGC AGTCTGATCA	18
CACATGGTCC AACAACACTC AAATAATAAA TCAAATATN	NA TCAGATGTTA AAGATTGGTC	24
TTCAAACATC ATAGCCAATG ATGCCCCGCT TGCCTATAA	AT CTCTCCGACA TAAAACCACA	30
TCAACACCTC AGTGGCCACC AAACCATTCA GCACAGCTT	C CTTAACTGTG AGCTGTTTGA	36
AGCTACCAGT CTGAGCACTA TTGACTATNT TTTTCANGC	CT CTGAATAGCT CTAGGGATCT	426
CAGCANGGGT GGGAGGAACC AGCTCAACCT TGGCGTANT		459
	444	
(2) INFORMATION FOR SEQ ID NO:143:		•
(i) SEQUENCE CHARACTERISTICS:	The entropy of the second	
(A) LENGTH: 140 base pairs		•
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single	en de la companya de Mangantan	
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: cDNA		•
•	大型 (1942年) (1945年) 1945年(1945年) (1949年)	٠.
(vi) ORIGINAL SOURCE:		
(A) ORGANISM: Homo sapiens	or main to bear to the engage of the	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	43:	
	And the second of the second	
ACATTTCCTT CCACCAAGTC AGGACTCCTG GCTTCTGTG	G GAGTTCTTAT CACCTGAGGG	60
AAATCCAAAC AGTCTCTCCT AGAAAGGAAT AGTGTCACC	A ACCCCACCCA TCTCCCTGAG	120
ACCATCCGAC TTCCCTGTGT		140
(2) INFORMATION FOR SEQ ID NO:144:  (i) SEQUENCE CHARACTERISTICS:		
· · · · · · · · · · · · · · · · · · ·		÷ ••
(i) SEQUENCE CHARACTERISTICS:	*	
(A) LENGTH: 164 base pairs	The the street of the street o	
(B) TYPE: nucleic acid		17
(C) STRANDEDNESS: single	ngan gingga kalan sa ngayar laga baga ka	
(D) TOPOLOGY: linear		
		,
(ii) MOLECULE TYPE: cDNA	COLUMN TO THE COLUMN TO A COMMON TO	•
	and the tree of the contract o	
(V1) ORIGINAL SOURCE:	ยุมเด็บรายา เพื่อมามาได้รายเราะ	•
(A) ORGANISM: Homo sapiens		
_	April 1994 Aug.	٠.
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14		
	The second second	
ACTTCAGTAA CAACATACAA TAACAACATT AAGTGTATAT	F. TGCCATCTTT GTCATTTTCT	60
ATCTATACCA CTCTCCCTTC TGAAAACAAN AATCACTANC	CAATCACTTA TACAAATTTC 1	120
AGGCAATTAA TCCATATTTG TTTTCAATAA GGAAAAAAA		164
(2) INFORMATION FOR SEQ ID NO:145:	**** *** *** *** *** *** *** *** *** *	

	EQUENCE CHARACTERISTICS:		· · · · · · · · · · · · · · · · · · ·
	(A) LENGTH: 303 base pairs	•	•
ي. (	(B) TYPE: nucleic acid		er også fra et et et er e
. :.	(C) STRANDEDNESS: single		The state of the state of
* (	(D) TOPOLOGY: linear	· · · · · · · · · · · · · · · · ·	
(ii) MC	OLECULE TYPE: cDNA		
(vi) OF	RIGINAL SOURCE:	a the same as	المعالم المعالم المعالي المعارض
	(A) ORGANISM: Homo sapiens		
(xi) SI	EQUENCE DESCRIPTION: SEQ ID NO	:145:	
አርርሞአርአርርል	TCCAACTTTG TATTTGTAAT GGCAAAC		
	ATTTATACCC AATTATCCCA TTCATTA		
	TATCATAAGT CGGCCCAGGC ATCCAGA		
	CCATCCAAGT GACAGGTCTA ATCAAAG		
	TTGCTTAGCT GAAACAGCCA CAAAAGA		
CAA	TIGCTIAGCT GAAACAGCCA CAAAAGA	CIT ACCOCCOTOO	303
CAA			er frankeine i Sen
(2) INFORM	ATION FOR SEQ ID NO:146:		*
.,5 %	year are crace or so a considerati		original maratika ke a
(i) SI	EQUENCE CHARACTERISTICS:	然 减到过度线点 医外侧	
	(A) LENGTH: 327 base pairs -	of With the Mills Di	
35 -:	(B) TYPE: nucleic acid armount	ar ann amhraid s	favious da la filia de la colo
	(C) STRANDEDNESS: single : AT		
	(D) TOPOLOGY: linear management		
95 1 17	Entropy of the second of the second		Service of the service
(ii) Mo	OLECULE TYPE: CDNA	en e	
	RIGINAL SOURCE:	in the second of the second	
	(A) ORGANISM: Homo sapiens		
		000 1 11 32 47 5 146	
(x1) S	EQUENCE DESCRIPTION: SEQ ID NO	):146;	
ACTGCAGCTC	AATTAGAAGT GGTCTCTGAC TTTCATC		GCTCCATGAC 60
ACTGGCCTGG	AGTGACTCAT TGCTCTGGTT GGTTGAC	AGA GCTCCTTTGC	CAACAGGCCT 120
CCAAGTCAGG	GCTGGGATTT GTTTCCTTTC CACATTO	TAG CAACAATATG	CTGGCCACTT 180
	GAGGGTGGGA GGAGCCAGCA TGGAACA		
	CTGGGCCTGT CACACCTACT GATGACC		
	CTGTGTGACT CTATGGT		327
INCOCOTONO			
(2) INFORM	NATION FOR SEQ ID NO:147:	10 to	· · · · · · · · · · · · · · · · · · ·
	4 March 2015	• • • • • • • • • • • • • • • • • • • •	A Company of the
(i) s	EQUENCE CHARACTERISTICS:		
	(A) LENGTH: 173 base pairs	and the second of the second	
	(B) TYPE: nucleic acid		والمراجع والمسابعة و
ā Ē	(C) STRANDEDNESS: single.		
; · · · ·	(D) TOPOLOGY: linear		
	(D) TOPOHOGI: TIMEGE		
/44\ <b>x</b> 4	OLECULE TYPE: cDNA	•	
(TT) W	OUDCORE TIPE: CONA	*	• • •

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:147: 18 10 10 10 10 10 10 10 10 10 10 10 10 10	•:
ACATTGTTTT TTTGAGATAA AGCATTGANA GAGCTCTCCT TAACGTGACA CAATGGAAGG ACTGGAACAC ATACCCACAT CTTTGTTCTG AGGGATAATT TTCTGATAAA GTCTTGCTGT	6 1 12
ATATTCAAGC ACATATGTTA TATATTATTC AGTTCCATGT TTATAGCCTA GTT	17:
(2) INFORMATION FOR SEQ ID NO:148:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 477 base pairs	
(A) LENGTH: 477 base pairs	
(B) TYPR: nucleic acid	. •
(C) STRANDEDNESS: single G Production of the first that the first	• • •
(D) TOPOLOGY: linear	
TO THE TRANSPORT OF THE STORY OF THE SAME AND A STATE OF THE STATE OF	. ಇಲ್ಲ ಇರು
11. (ii) MOLECULE TYPE: CONAUL ADA CLADED HELL THEFT IN LOCKETTE TO	30 <i>mi</i> ma
ୁ ଓ . ୧୯୮୭ - ୬୯୮୭ ଓ ମଧ୍ୟ ପ୍ରତ୍ୟାନ ଜଣ ଅଟେ	
(vi) ORIGINAL SOURCE: The President Annual Property Official Source of the Control of the Contro	
(A) ORGANISM: Homo sapiens (A) SERVING THE TOTAL ME	
	r
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:148:	
	-
ACAACCACTT TATCTCATCG AATTTTTAAC CCAAACTCAC TCACTGTGCC TTTCTATCCT	
ATGGGATATA TTATTTGATG CTCCATTTCA TCACACATAT ATGAATAATA CACTCATACT	120
GCCCTACTAC CTGCTGCAAT AATCACATTC CCTTCCTGTC CTGACCCTGA AGCCATTGGG	180
GTGGTCCTAG TGGCCATCAG TCCANGCCTG CACCTTGAGCT CCTTGAGCTC CATTGCTCAC	240
NCCANCCCAC CTCACCGACC CCATCCTCTT ACACAGCTAC CTCCTTGCTC TCTAACCCCA	300
TAGATTATUT CCAAATTCAG TCAATTAAGT TACTATTAAC ACTCTACCEG ACATGTCCAG	360
CACCACTGGT AAGCCTTCTC CAGCCAACAC ACACACACA ACACNCACAC ACACACATAT	420
CCAGGCACAG GCTACCTCAT CTTCACAATC ACCCCTTTAA TTACCATGCT ATGGTGG	477
(2) INFORMATION FOR SEQ ID NO:149:	
(2) INFORMATION FOR SEQ ID NO:149:	
(i) SEQUENCE CHARACTERISTICS:	•
(A) LENGTH: 207 base pairs	
(B) TYPE: nucleic acid	·
	1
(C) STRANDEDNESS: Usingle The Company of the Compan	*
the control of the co	
(ii) MOLECULE TYPE: cDNA C TOFF WALLS OF THE LANGUE ACCORDANCE A	
The state of the s	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(A) ORGANISM: HOMO SAPIENS	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:149:	•
(XI) SEQUENCE DESCRIPTION: SEQ ID NO:149:	
ACAGTTGTAT TATAATATCA AGAAATAAAC TTGCAATGAG AGCATTTAAG AGGGAAGAAC	
	60
TAACGTATTT TAGAGAGCCA AGGAAGGTTT CTGTGGGGGG TGGGATGTAA GGTGGGGCCT	120
GATGATAAAT AAGAGTCAGC CAGGTAAGTG GGTGGTGTGG TATGGGCACA GTGAAGAACA TTTCAGGCAG AGGGAACAGC AGTGAAA	180
TTCAGGCAG AGGGAACAGC AGTGAAA	207

(2) INFORMATION FOR SEQ ID NO:150:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 111 base pairs

104

(B) TYPE: nucleic (C) STRANDEDNESS: (D) TOPOLOGY: line	single ar
(ii) MOLECULE TYPE: cDNA	State of the Control of Figure 1 and 1 The Control of the Control of
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo	sapiens
(xi) SEQUENCE DESCRIPTION	N: SEQ ID NO:150:
CACTTAAATG TGGTCAGTGT TTGGAC	GAAA CCCAACTATC TAATTTAGCT AAAACATGGG 60 TTGT TAACTANTGG CATCTTTGGG T 111
(2) INFORMATION FOR SEQ ID NO	o: 151: All the taken with a complete and a comple
(i) SEOTENCE CHAPACTERT	STICS: se pairs acid single ar
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo	the property of the state of th
(xi) SEQUENCE DESCRIPTION	N: SEQ ID NO:151: 44-42-42-43 (1994)
AGCAAGATGG CTTTGAACTC AGGGTC	CAGA TACCTATCAT TACTCGATGC TGTTGATAAC 60 ACCA CCAGCTATTG GACCTTACTA TGAAAACCAT 120 CGCA CAGCCCACTG TGGTCCCCAC TGTCTACGAG 180 196
(2) INFORMATION FOR SEQ ID NO	on differentiable in the control of
(i) SEQUENCE CHARACTERIS  (A) LENGTH: 132 bas  (B) TYPE: nucleic a  (C) STRANDEDNESS: s  (D) TOPOLOGY: linea	se pairs acid single
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo	sapiens
(xi) SEQUENCE DESCRIPTION	N: SEQ ID NO:152:
	GAAA TTCCTAAATG TAGGAGAAAG ATAACAGAAC 60 ACCT GATGCTTTAT GTTGACAGGA ATAGAACCAG 120 132
(2) INFORMATION FOR SEQ ID NO	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 285 base pair</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	er gerinde en been en
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:153;
ACAANACCCA NGANAGGCCA CTGGCCGTGG TGT	TTACCATT TTTATCCTCG CTCAGCAGGA 120 GCCTTGGC TTGGAGGAAG TCATCAACAC 180 ATGACGGC ATCTGTGAAG TCGTGCACCA 240
(2) INFORMATION FOR SEQ ID NO:154:	A POLICE SERVICES AND THE SERVICES AND T
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 333 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: CDNA	្រី (១៩) ពីសុទ្ធាន ប្រធានការស្ទេចមួយ (១៩) ស្វើប្រភពប្រាប់
A) ORGANISM: HOMO Sapiens	TOWN TO USE OF A POST OF SERVICE OF THE SERVICE OF
ACCACAGTCC TGTTGGGCCA GGGCTTCATG ACCACACACACT TTTCCTTAAA TATCTTTAAC TGACCTAAGCCGG TTACACAGCT AACTCCCACT GGCATTGGCACAG GAGTCGAAGG TGTTCAGCTC CCCACTTCACAAAATTCTCGGGC CACCTCGTCA TTGGGTCAGGCCTG TCTCATCCAT ATGGATCTTC CGG	AGGGGTC AGCCTCTTGA CTGCAAAGAC 120 CCTGATT TGTGAAATTG CTGCTGCCTG 180 TCCTCCG TGGAACGAGA CTCTGATTTG 240 CTCCTCT GAAATAAAAT CCGGAGAATG 300
(2) INFORMATION FOR SEQ ID NO:155:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 308 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECIUE TYPE: CDNA	

(A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:155:

00001001	ACATGATC GATGATTTTT GTTATAATAT  GCTCCTCC TGGGCCCCAG CCCCAGCCCC  AGCATGTA GTGGCTGATT CTTCTTGGCT  ACCAAACC TCTANGTGTA AGGCATGCTG  300  308
(2) INFORMATION FOR SEQ ID NO:156:	enter ist kommunikasi bir yesil megali
マー・・・・・ もん マイナル・アース たばち マカタ みたい	
(i) SEQUENCE CHARACTERISTICS:	NET DOMESTIC TO A STATE OF THE SECOND
(A) LENGTH: 295 base pair	street for the control of the contro
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	ျှင်းနှင့် မို့နှင့်သည်။ နေသည် အားကို နေသည် ကန့်ကွန်း
(D) TOPOLOGY: Tinear 4: 200	en jager in lange en gebruik in die verbeilieren der
ALLA MOT DOWN D. MILDER CONTA	
(ii) MOLECULE TYPE: cDNA	and the second of the second o
(vi) ORIGINAL SOURCE:	
(V1) ORIGINAL SOURCE:	is a substitution of the s
(A) ORGANISM: None supre	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:156:
(AI) bigoined bildening	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 126 base paid  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	rs** A V. AND LANGE ACTATION OF THE CONTROL OF THE
(A) ORGANISM: Homo sapie	ns
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:157:
ACAAGTTTAA ATAGTGCTGT CACTGTGCAT G GAAGAGCAAA ACAAATTCTG TCATGTAATC T CTTAGT (2) INFORMATION FOR SEQ ID NO:158:	CTATCTTGG GTCGTGGGTA TATCTGTCCC 120
(i) SEQUENCE CHARACTERISTICS:	the second of the second of the second
(A) LENGTH: 442 base pai	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	

(ii) MOLECULE TYPE: cDNA
A THE STATE OF THE PROPERTY DATE OF THE STATE OF THE STAT
(vi) ORIGINAL SOURCE PRACT CAR THE CONTROL OF THE C
(A) ORGANISM: Homo sapiens (1)
tay okoawism: nomo: sapiens
(vi) CROUPING PROGRESSION OF THE STATE OF TH
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:158:
ACCOACTCOT CTTTOO A A A A COO MCCTTTO A TO COO TO C
ACCCACTGGT CTTGGAAACA CCCATCCTTA ATACGATGAT TTTTCTGTCG TGTGAAAATG
AANCCAGCAG GCTGCCCCTA GTCAGTCCTT CCTTCCAGAG AAAAAGAGAT TTGAGAAAGT 12
GCCTGGGTAA TTCACCATTA ATTTCCTCCC CCAAACTCTC TGAGTCTTCC CTTAATATTT 18
CTGGTGGTTC TGACCAAGC AGGTCATGGT TTGTTGAGCA TTTGGGATCC CAGTGAAGTA 24
NATGTTTGTA GCCTTGCATA CTTAGCCCTT CCCACGCACA AACGGAGTGG CAGAGTGGTG 30
CCAACCCTGT TTTCCCAGTC CACGTAGACA GATTCACAGT GCGGAATTCT GGAAGCTGGA 36
NACAGACGGG CTCTTTGCAG AGCCGGGACT CTGAGANGGA CATGAGGGCC TCTGCCTCTG 42
TGTTCATTCT CTGATGTCCT GT
(2) INFORMATION FOR SEQ ID NO:159:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 498 base pairs
(B) TYPE: nucleic acid (Control of the Control of t
(C) STRANDEDNESS: single
(D) A TOPOLOGY: Plinear RANGE FOR A MARKET STATE OF THE S
中部 化二十四次间间 化甲基氯 建石榴 计数据数 双车 医乳腺性性 化共享乳化 化电压 医电压 化温度管 电影 医乳腺管炎
(ii) MOLECULE TYPE: DCCDNA GOT TOWN ACTION OF A CONTROL OF THE CON
ore the control of the ADDATE and ADAMES AND ADMARAGE TO THE PROPERTY OF A PROPERTY OF A CONTROL
(vi) ORIGINAL SOURCE: 4 DEFEARERS ADDITION OF THE STATE O
(A) ORGANISM: Homo sapiens
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:159:
ACTTCCAGGT AACGTTGTTG TTTCCGTTGA GCCTGAACTG ATGGGTGACG TTGTAGGTTC 60
CCAACAAGA ACTGAGGTTG CAGAGCGGGT AGGGAAGAGT GCTGTTCCAG TTGCACCTGG 120
SCTGCTGTGG ACTGTTGTTG ATTCCTCACT ACGGCCCAAG GTTGTGGAAC TGGCANAAG 180
GTGTGTTGTT GGANTTGAGC TCGGGCGGCT GTGGTAGGTT GTGGGCTCTT CAACAGGGGC 240
GCTGTGGTG CCGGGANGTG AANGTGTTGT GTCACTTGAG CTTGGCCAGC TCTGGAAAGT
ANTANATTCT TCCTGAAGGC CAGCGCTTGT GGAGCTGGCA NGGGTCANTG TTGTGTGTAA 360
CGAACCAGTG CTGCTGTGGG TGGGTGTANA TCCTCCACAA AGCCTGAAGT TATGGTGTCN 420
CAGGTAANA ATGTGGTTTC AGTGTCCCTG GGCNGCTGTG GAAGGTTGTA NATTGTCACC 480
AAGGGAATAA GCTGTGGT 498
470
(2) INFORMATION FOR SEQ ID NO:160: The second secon
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 380 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(~) AULUMOUI. IIMCOL

(ii) MOLECULE TYPE: cDNA

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:160:	
The second secon	60
ACCTGCATCC AGCTTCCCTG CCAAACTCAC AAGGAGACAT CAACCTCTAG ACAGGGAAAC	120
AGCTTCAGGA TACTTCCAGG AGACAGAGCC ACCAGCAGCA AAACAAATAT TCCCATGCCT	
GGAGCATGGC ATAGAGGAAG CTGANAAATG TGGGGTCTGA GGAAGCCATT TGAGTCTGGC	180
CACTAGACAT CTCATCAGCC ACTTGTGTGA AGAGATGCCC CATGACCCCA GATGCCTCTC	240
CCACCCTTAC CTCCATCTCA CACACTTGAG CTTTCCACTC TGTATAATTC TAACATCCTG	300
GAGAAAAATG GCAGTTTGAC CGAACCTGTT CACAACGGTA GAGGCTGATT TCTAACGAAA	360
CTTGTAGAAT GAAGCCTGGA	380
(2) INFORMATION FOR SEQ ID NO:161:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 114 base pairs	٠
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	
(A) OKOANISM. Home Duplems	
ACTCCACATC CCCTCTGAGC AGGCGGTTGT CGTTCAAGGT GTATTTGGCC TTGCCTGTCA CACTGTCCAC TGGCCCCTTA TCCACTTGGT GCTTAATCCC TCGAAAGAGC ATGT	114
	7 20
(2) INFORMATION FOR SEQ ID NO: 162:	
The state of the s	
(i) SEQUENCE CHARACTERISTICS:	
/n\ mynn muslaig agid	
(C) STRANDEDNESS: single	. 2 .
(D) TOPOLOGY: linear	
Section 1981 And the section of the	1.
(ii) MOLECULE TYPE: cDNA	٠.
(vi) ORIGINAL SOURCE:	
(A) ORGANISM: Homo sapiens	: : •
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:162:	
ACTITCTGAA TCGAATCAAA TGATACTTAG TGTAGTTTTA ATATCCTCAT ATATATCAAA	60
GTTTTACTAC TCTGATAATT TTGTAAACCA GGTAACCAGA ACATCCAGTC ATACAGCTTT	120
TGGTGATATA TAACTTGGCA ATAACCCAGT CTGGTGATAC ATAAAACTAC TCACTGT	177
TOGEGRIAIA IAACIIGGCA AIAACCCAGI CIGGIGAIAC AIAAAACIAC IGAGIGI	
(2) INFORMATION FOR SEQ ID NO:163:	. :

(i) SEQUENCE CHARACTERISTICS:

(D) TOPOLOGY: linear

(A) LENGTH: 137 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

	(11,	MOL	ECULE T	PE: CUNA			• ,	÷	•
*:	(vi)	, · , (A	ORGAN.	OURCE: MA	piens	4 4 4 4		3367234	· ·
`,	(xi)	_						1 - 1	1
CA	NAGAAC	GC A	ACAGGCGT	SCRIPTION: G AAGACATTE T ACTCCTACA	'A CGACAAAA	AC GCGAA	ATTCT	ATCCCCTCA	r
(2	) INFO	RMAT	ON FOR	SEQ ID NO:1	64:		• • •	$x \in \mathbb{N}_k \setminus f(t) \neq \emptyset$	
A	(i)	(A) (B) (C)	LENGTH TYPE: STRAND	ARACTERISTI : 469 base nucleic aci EDNESS: sin GY: linear	CS: pairs d	1 1 2 2 1 111 2 22 2 111 2 22 2 111 2 2 2 111 2 2 2	ia (19) Colorial Martina	90470.00 0384 // / / / 8026 9028 / 006 / /	8
	(ii)	MOLE	CULE TY	PE: cDNA		70.1	<u>.</u>	1 9 · 2	2.1
	(vi)		INAL SO	JRCE: SM: Homo saj	r je	: 19 CAS	ala nya an nya		··
TGC GAG GGT GTG TCT GAT	AATGCA CATGGA CACATGO CAGAGAA CAGTAGO CAGTGTGTA	AA TG AT CA TC TC CA CT CA AA GA AG GC AC AG CC RMATIC	AATGITC' TGCTATT' AAAGGAAI TGCTACGI GACAACTC GACCCAAI AGGGCTCC ATGCCTAT	CCTGGGCAGO CATACCTAAT A CAAACACCCA A AACAGAAATT CCAAAGAATT CAGGCCAGGC CAGGCCAGGC	GTIGTGATC GAGGGAGTT ATAAACTCG TCATGTTGC TTCAAGAAG TCTGTCAGTC CTCATTCTC ATNTTTGAG	T TTGCCA C CAGGAG G AGTGGC A CCCTTG G AGGACT G AATGGA C TCTGGC C AAACAC	CCTT CATTC AAGAC I FTTC T GCAA G IAAT C CTCT A	GTGACTTTA ACCAGGAAA GACAACTGT ACACCTGTG TATATCGTG TAATGTGCT ATAGTCAAT	120 120 240 300 360 420
:	(i)	(A) (B) (C)	LENGTH: TYPE: n STRANDE	RACTERISTIC 195 base p ucleic acid DNESS: sing Y: linear	airs le	10 110 11	neg in	the state of	
•	(vi)	MOLEC ORIGI (A)	ULE TYP	E: cDNA RCE: M: Homo sap	1/5 0 1/2 1 2 1 1.2 7/3 7 Classions	THE MALEST TOPICAL BOT TAKEN OPERS	i Ala Mariana Mariana	s, distribution Distribution	
	(xi)	SEQUE	NCE DES	CRIPTION: S	EQ ID NO:16	55:			
TGC	CGCTGT	C CCG	CCCGTAG	ACATTGCCGG CCTTGGCTAG TTCTCGTTCC	CACTTGTGTT AGTAAAAATT	CAGTTTC	ATA AZ	CATCTCCC	60 120 180 195
									_

(2) INFORMATION FOR SEQ ID NO:166:

(A) LENGTH: 383 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166:  ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCCGA GTCCACACCA CCGGTGTAGG TGTCCTCAAT CTTGGGCTTG GCGCCCACCT TTGGAGAAGG GATAGCTGC ACACCACTGT CCACAAAGCC TGTGAACTG CCAAAAGAAT TTTGCAGACC AGCCTGAGGA AGGGGCGAT GTTCAGCTTC AGTCCTCACTGG GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGGTGCTACT  (2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TTPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (xi) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANA AGAGATTAAA CTCAAAACCC CAGTCCANAT TGGAGCAGAA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT TGGAGCACAA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT TGGAGCACAA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT TGGAGCAGAA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT TGGAGCCAGA ACTTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT TGGAGCCAGA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT TGGAGCCAGA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT TGGAGCCAGA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAACCCC AAGTCCANAT CGAAGAGCACAA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT CGAAGAGCACAA ACTGGAGCAA GAGTGGGCC TGGGGCTGAA GTAAAACCCC AAGTCCANAT (vi) ORIGINAL SOURCE:  (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (vi) ORIGINAL SOURCE:	(i)	SEQUENCE CHARACTERISTICS:			• .
(C) STRANDENNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166:  ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGG GTCCACCACCA CCGGTGTAGG TGTGCTCAT CTTGGGCTTG GCGCCCACCT TTGGAGAAGG GATATGCTGC ACACACATGT CCACAAAGCC TGTGAACTCG CCAAAGAATT TTTGCAGACC AGCCTGAGCA AGGGGGGAT GTTCAGCTTC AGCTCCTCC TGGTACAGTG GATGCCAACC TCGTCTANG TCCGTGGGAA GCTGGTGTCC ACNTCACCTA CAACCTGGGC GANGATCTTA TAAAGAGGCT CCMAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT GAGGCCCTTT TTGGTGAACT TTC  (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDENNESS: single (Xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCCAGA ACTGGACCA ACTCTCAGGC CAAGGCANTG GTGGGGCCA ACGCACACAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCAA GTAGAGACCA AGGCCACTGC TATAANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCANTG GTGGGGCCGA ACTCTCAGGC CAAGGCANTG GTGGGGCCTAA GTAGAGACCA AGGCCACTGC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGGCTGAA GTAGAGACCA AGGCCACTGC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACAAGGCAG INCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACAAGGCAG INCCAGAGAC (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDENNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		(A) LENGTH: 383 base pairs			
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166:  ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGGGGTCGAG GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GGGCCCACCT TTTGGAAGCAG CCCAAAGACC TGTGAACTCG CCAAAGACC TGTGAACTCG CCAAAGACT TTTGGAACTCG CCAAAGACT TTTGGAACTCG CCAAAGACT TTTGGAACCAC ACCTCAGGGAGAGAGAGAGAATAAA CTCCACCAAAGAC ACCTCAGGTG GAGCCCTAGTATAAAAACACCAAAACC TTCTCTGGG AGCTGCTAGT 360 AGNAGATCTTA TAAAAGAGCT CCAAGATAAAA CTCCACCAAAA CTTCTCTGGG AGCTGCTAGT 360 NGGGGCCTTT TTGGTGAACT TTC 383  (2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (Xi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAGA ACTTGGCCA TAAATGAANC AGAGATTAGA ACTAAAACCCC AAGTCGANAT TGGAGCCAGAA ACTGGAGCAA ACTTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGGAGA TCAAAACTCTACA CACAGGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGGAGA TCAAAACTGAACTCA CACAGGCCAACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGGAGAC TGAATCTAGACCAACACTGAC TGAAACTCTACA CACAGGCCA CACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGGAGAC TCAAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCAGG CAAGGCNATG GTTGGGGCAG ANCCAGGAGAC TCAAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATGA CTAAGGCCAA TGCTCTAGC CAAGGCNATG GTTGGGGCAG ANCCAGGAGAC TCAAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATGA CTAAGGCCAA TCCACTCAGC CAAGGCNATG GTTGGGGCAG ANCCAGGAGAC TCAAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACAAGGCCAA TCCACAGAC TGGCCACTC TGAACTCAACAC ACTGGTCATGA CACAGAGCCAACTC CACAGACAAC TCGGCCATAC CCCAGAAAC TCGACCAACAC TCGCCAAAGCCAACTC TCAACTCAAC	P.	(B) TYPE: nucleic acid		inistration of the second of	
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166:  ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CAGGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GGGCCCACCT TTGGAGAAGG GATATGCTGC ACACACATGT CACAAAGCC TGTGAATCC CCAAAAGAATT TTTGGCAGACA AGGGGGGAT GTTCAGCTTC AGCTCCTCCT TGGTCAGGGC GATGCCACAC CTGGTGGAAA GCTGGGTTCC ACATCACCTA CAACCTGGC GATGCCAAACC TCGTCTAGG TCCACAAAGAATT TGGAAAGAGCT TTGGAAAACACC TCGTCTAGAAAAACACTC CACAAAAAAC CTCCACCAAAACC TAGTCCACCT TAGGAAAAACACTC CAAAAAAAACACC CAAAAAAAAAA	. <i>r</i>	(C) STRANDEDNESS: single			
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166:  ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGGTCGAG GTCCACACA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCACCT 120 TTGGAGAAGG GATATGCTGC ACACAGTGT CACAAAGCC TGTGAATCG CCAAAGATT TTGGAGAAGG GATATGCTGC ACACAGTGT CACAAAGCC TGTGAATCG CCAAAGATT TTGGAGAGAG GATATGCTGC ACAGAGATAT AGACTACACACA CACCTGGGC GANGATCTTA TAAAGAGGCT CCAAGATAAA CTCCACAAAAC CACTCGGG GANGATCTTA TAAAGAGGCT CCAAGATAAA CTCCACAAAA CTTCTCTGGG 'AGCTGCTACT 360 NGGGGCCTTT TTGGTGAACT TTC 383  (2) INFORMATION FOR SEQ ID NO:167:  (3) SEQUENCE CHARACTERISTICS:  (4) LENGTH: 247 base pairs  (5) TOFOLOGY: linear  (1) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTGGANAT TGGAGGCAGAAA ACTGGAGCAA AGGCCACTGC TATANCCATA CACAGAGCA AGACTCTCAGGC CAAGGCANTA GTTGGGGCA ANCCAGAGAC TCCAAGCCAAG AGGCCACTGC TATANCCATA CACAGAGCA ACTCTCAGGC CAAGGCANTA GTTGGGGCAG ANCCAGAGAC TCCAAGCCAAGTCA CACAGAGCA ACTCTCAGGC CAAGGCANTA GTTGGGGCAG ANCCAGAGAC TGTATANCCATA CACCAGAGCA ACTCTCAGGC CAAGGCNATG GTTGGGCCT AGGCCACTGC TGTATANCCATA CACCAGAGCA ACTCTCAGGC TAGAGCANTAG ACAAAACCC AAGTCGANTA TGTATACCATA CACCAGAGCA ATAATGANAT GTTGAGACA ACGCCATGC TGTATACCATA CACCAGAGCA ACTCTCAGAC ACGCACATG TGTATACACCA AGGCCATGC TGTATACCATA ACGCACATGC TGTATACACAC AGGCCATGC TGTATACACAC AGGCCATGC TGTATACACACA AGGCCATGC TGTATACACAC AGGCCATGC TGTATACACA		(D) TOPOLOGY: linear			
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166:  ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGA GTCCACACAC CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCCACCT TTGGAGAAGG GATATGCTGC ACACACATGT CCACAAAGCC TGTGAACTG CCAAAGAATT TTTOCAGAGAC AGCCTGAGCA AGGGGGGAT GTTCAGCTTC AGCTCCTCCT TCGTGAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTC ACNTCACCTA CAACCTGGGC GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTACT GATGGGACCTT TTGGTGAACT TC  (2) INFORMATION FOR SEQ ID NO:167:  (3) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGGCAGA ACTCTGGCCA TAAATGAANC AGAGATTAGA ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGAA ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	(ii)	MOLECILE TYPE: CDNA			
(XI) SEQUENCE DESCRIPTION: SEQ ID NO:166:  ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCTAAT CTTGGGCTTG GCGCCCACCT TTGGAGAAGG GATATGCTGC ACACACATGT CCACAAAGACT TGTGAACTCG CCAAAGAATT TTTGCAGACC AGCCTGAGCA AGGGGGGAT GTTCAGCTTC AGCTCCTCCT TCGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTCC ACATCACTA CAACCTGGGC GAMGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT AGGGGCCTTT TTGGTGAACT TTC  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 247 base pairs  (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (Xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA AGAGTGGACA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (iii) MOLECULE TYPE: cDNA	. (11)				
ACACTCTAGT AGTGTGGCAC ATCAGGGGG CATCAGGGTC ACAGTCACTC ATAGCCTCGC ACACTCTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCCACCT TTGGAGAAGG GATATGCTGC ACACACAGTG CCACAAAGACT TGTGAACTCG CCAAAGAATT TTTGCAGACC AGCCTGAGCA AGGGGCGGAT GTTCAGCTTC AGCTCCTCCT TCGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTCC ACATCACCTA CAACCTGGGC GAMGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT 360 MGGGGCCTTT TTGGTGAACT TTC 383  (2) INFORMATION FOR SEQ ID NO:167:  (A) LEMGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA AGAGTGGACA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TGAATCTAGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (iii) MOLECULE TYPE: cDNA  (iii) MOLECULE TYPE: cDNA	(vi)	ORIGINAL SOURCE:		·	*.
ACACTCTAGT AGTGTGGCAC ATCAGGGGG CATCAGGGTC ACAGTCACTC ATAGCCTCGC ACACTCTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCCACCT TTGGAGAAGG GATATGCTGC ACACACAGTG CCACAAAGACT TGTGAACTCG CCAAAGAATT TTTGCAGACC AGCCTGAGCA AGGGGCGGAT GTTCAGCTTC AGCTCCTCCT TCGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTCC ACATCACCTA CAACCTGGGC GAMGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT 360 MGGGGCCTTT TTGGTGAACT TTC 383  (2) INFORMATION FOR SEQ ID NO:167:  (A) LEMGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA AGAGTGGACA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TGAATCTAGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (iii) MOLECULE TYPE: cDNA  (iii) MOLECULE TYPE: cDNA		(A) ORGANISM: Homo sapiens		· ·	•
ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCACCT TTGGAGAAGG GATATGCTGC ACACACATGT CCACAAAGACT TGTGAACTCG CCAAAGAAT TTTGCAGACC AGCCTAGCA AGGGCGGAT GTTCAGCTTC AGTCCTCTT TGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGCC ACNTCACCTA CAACCTGGGC GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGTAGT NGGGGCCTTT TTGGTGAACT TCC  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 247 base pairs  (B) TYPE: nucleic acid.  (C) STRANDEDMESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA AGAGTGGGC TGGGGCTGAA GTAGAGACCA AGGCCATGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCCATAG GTAGAGACCA AGGCCATGC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		• • •	all to the a a		
ACATCTTAGT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC ACAGTCACTC ATAGCCTCGC CGAGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCACCT TTGGAGAAGG GATATGCTGC ACACACATGT CCACAAAGACT TGTGAACTCG CCAAAGAAT TTTGCAGACC AGCCTAGCA AGGGCGGAT GTTCAGCTTC AGTCCTCTT TGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGCC ACNTCACCTA CAACCTGGGC GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGTAGT NGGGGCCTTT TTGGTGAACT TCC  (1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 247 base pairs  (B) TYPE: nucleic acid.  (C) STRANDEDMESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA AGAGTGGGC TGGGGCTGAA GTAGAGACCA AGGCCATGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCCATAG GTAGAGACCA AGGCCATGC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:166	h: La The the the	5. S. A. S.	
CGAGGTCGGA GTCCACACCA CCGGTGTAGG TGTGCTCAAT CTTGGGCTTG GCGCCCCCT TTGGAGAAGG GATATGCTGC ACACACATGT CCACAAAGCC TGTGAACTCG CCAAAGAATT 180 TTTGCAGACC AGCCTGAGCA AGGGGCGGAT GTTCAGCTTC AGCTCCTT CTGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTC ACNTCACCTA CAACCTGGGC GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT 360 ANGGGGCCTTT TTGGTGAACT TTC 383  (2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS: (i) LENGTH: 247 base pairs (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (i) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAGA ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNAAT GTTGGAGCAGA ACTGGAGCAA ACTCTCAGGC CAAGGCNAAT GTTGGAGCAGA ACTGGAGCAA ACTCTCAGGC CAAGGCNAAT GTTGGAGCAG ACTCTGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (a) LENGTH: 273 base pairs (b) TYPE: nucleic acid (c) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA			V		
TTGGAGAAGG GATATGCTGC ACACACATGT CACCAAAGCC TGTGAACTCG CCAAAGAATT TTTGCAGACC AGCCTGAGCA AGGGGCGGAT GTTCAGCTTC AGCTCCT TCGTCAGGTG GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTCC ACATCACCTA CAACCTGGGC GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT 360 NGGGGCCTTT TTGGTGAACT TTC 383  (2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACTAGAGACA AGGCCACTGC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACAAGGCCA ACTCTCAGC (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (iii) MOLECULE TYPE: CDNA	ACATCTTAC	GT AGTGTGGCAC ATCAGGGGGC CATCAGGGTC	ACAGTCACTC	ATAGCCTCGC	
TTTGCAGACC AGCCTGAGCA AGGGGGGAT GTTCAGCTTC AGCTCCT TCGTCAGGTG AGAGCACC TCGTCTANAG TCCGTGGGAA GCTGGTGTCC ACNTCACCTA CAACCTGGGC AGNGATTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCGG AGCTGCTAGT  (2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAGA ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCA AGAGTGGGCC TGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (C) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	CGAGGTCGC	SA GTCCACACCA CCGGTGTAGG TGTGCTCAAT	CTTGGGCTTG	GCGCCCACCT	
GATGCCAACC TCGTCTANGG TCCGTGGGAA GCTGGTGTCC ACNTCACCTA CAACCTGGGC GANAATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT 360 NGGGGCCTTT TTGGTGAACT TTC 383  (2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 247 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MCLECULE TYPE: cDNA	TTGGAGAA	G GATATGCTGC ACACACATGT CCACAAAGCC	TGTGAACTCG	CCAAAGAATT	
GANGATCTTA TAAAGAGGCT CCNAGATAAA CTCCACGAAA CTTCTCTGGG AGCTGCTAGT  360 NGGGGCCTTT TTGGTGAACT TTC  383  (2) INFORMATION FOR SEQ ID NO:167:  (a) LENGTH: 247 base pairs (b) TYPE: nucleic acid. (c) STRANDEDNESS: single (d) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (a) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGCCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (a) LENGTH: 273 base pairs (b) TYPE: nucleic acid (c) STRANDEDNESS: single (d) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	TTTGCAGAC	CC AGCCTGAGCA AGGGGCGGAT GTTCAGCTTC	AGCTCCTCCT	TCGTCAGGTG	
(2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAAATTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACATGGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	GATGCCAAG	CC TCGTCTANGG TCCGTGGGAA GCTGGTGTCC	ACNTCACCTA	CAACCTGGGC	
(2) INFORMATION FOR SEQ ID NO:167:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCAA GAAGTGGGCC TGGGCTGAA GTAGAGACCA AGGCCACTGC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: Linear  (ii) MOLECULE TYPE: cDNA			CTTCTCTGGG	AGCTGCTAGT	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 247 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT  TGGAGCCAGA ACTGGAGCAA GAAGTGGGCC TGGGCCTGAA GTAGAGACCA AGGCCACTGC  TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC  TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  240  TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	NGGGGCCT	IT TTGGTGAACT TTC		*	383
(A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	(2) INFO	RMATION FOR SEQ ID NO:167: (1) (2) 12 12	14, 4	11 4	
(A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		The second of th	· • •		والأراز والإراد
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		SEQUENCE CHARACTERISTICS: 20	ter i fastado (1.4		The Contract of
(C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA		(A) LENGTH: 247 base pairs		The state of the s	1. 57. 573
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:		(B) TYPE: nucleic acid			
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:		(C) STRANDEDNESS: single			
(ii) MOLECULE TYPE: cDNA  (vi) ORIGINAL SOURCE:		(D) TOPOLOGY: Timear	e in a serie de la company. La company de la company d		
(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	1221	MOT BOTH E TVDE . CDNA		1. 1. 1. 1. A. 12.	
(XI) ORGANISM: Homo sapiens  (XI) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA		• •			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	(vi)	ORIGINAL SOURCE:		1 1 1	
ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA		(A) ORGANISM: Homo sapiens		•	
ACAGAGCCAG ACCTTGGCCA TAAATGAANC AGAGATTAAG ACTAAACCCC AAGTCGANAT TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:16	<b>7 :</b>		.*
TGGAGCAGAA ACTGGAGCAA GAAGTGGGCC TGGGGCTGAA GTAGAGACCA AGGCCACTGC TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	ACACACCC				60
TATANCCATA CACAGAGCCA ACTCTCAGGC CAAGGCNATG GTTGGGGCAG ANCCAGAGAC TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MCLECULE TYPE: CDNA	TCCACCAC	AN ACTEGRACIAN GARGEGGCC TGGGGCTGAA	GTAGAGACCA	AGGCCACTGC	120
TCAATCTGAN TCCAAAGTGG TGGCTGGAAC ACTGGTCATG ACANAGGCAG TGACTCTGAC  TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MCLECULE TYPE: CDNA	TATANCCA	TA CACAGACCA ACTCTCAGGC CAAGGCNATG	GTTGGGGCAG	ANCCAGAGAC	180
TGANGTC  (2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	TCAATCTC	AN TOTAL ACTOR TOTOTOTAL ACTORTOATO	ACANAGGCAG	TGACTCTGAC	240
(2) INFORMATION FOR SEQ ID NO:168:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MCLECULE TYPE: CDNA		The record of th			247
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MCLECULE TYPE: CDNA	IGMIGIC				
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 273 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MCLECULE TYPE: CDNA	(2) INFO	RMATTON FOR SEO ID NO:168:	· . • •		;
(A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	(2) 1110	and the second second	:		
(A) LENGTH: 273 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	(i)	SEQUENCE CHARACTERISTICS:			
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: CDNA	(-,	(A) LENGTH: 273 base pairs			•
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: CDNA		(n) myng, mugleig agid			
(ii) MOLECULE TYPE: CDNA		(C) CTDANDEDNESS, single			Fig. 1
(ii) MOLECULE TYPE: CDNA Add Add Add Add Add Add Add Add Add A		(D) TOPOLOGY linear		et a distribuit di la comp	
(ii) MOLECULE TYPE: CDNA Additional and the second				1 14	
•	(ii)	MOLECULE TYPE: CeDNA And And And And And And And And And An			
	(vi)	ORIGINAL SOURCE:			

(A) ORGANISM: Homo sapiens	
(xi) SEQUENCE DESCRIPTION: SEQ ID N	
ACTTCTAAGT TTTCTAGAAG TGGAAGGATT GTANTO AATCCCTCAN CCTTGTTCTT CACNACTGTC TATACT GCTGACACCT GAGCCTGNAT TTTCACTCAT CCCTGA	GANA GTGTCATGTT TCCACAAAGG 12
AATTCCCAAC TTCCTTGCCA CAAGCTTCCC AGGCTT AGTCCCAGAT ACACTCATGG GCTGCCCTGG GCA	TCTC CCCTGGAAAA CTCCAGCTTG 24
(2) INFORMATION FOR SEQ ID NO:169:	e en
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 431 base pairs</li></ul>	
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	ing a single of the state of th
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	ka da karantar da yasada da karantaria. 19 matawa 19 matawa matawa matawa 19
(vi) ORIGINAL SOURCE:	er man en motor de la companya de la
(xi) SEQUENCE DESCRIPTION: SEQ ID No	
ACAGCCTTGG CTTCCCCAAA CTCCACAGTC TCAGTGG AGCTCAGACC AGGGTCAAAG GATGTGACAT CAACAGG CTACTGTCAA ATGACCCCCC ATACTTCCTC AAAGGCC GGCAGCAGAA AGGGGGTANT TACTGATGGA CACCATG CTTGCCATGG GCAAAGGCCC CTACCACAAA AACAATA ACGCACATCA CTGACAACCG GGATGGAAAA AGAANTC AAAGTGATCT GATACTGGAT TCTTAATTAC CTTCAAA	TTTC TGGTTTCAGA ACAGGTTCTA  120 1GTS GTAAGTTTTG CACAGGTGAG  180 2TTC TCTGTATACT CCACACTGAC  AGGA TCACTGCTGG GCACCAGGTC  300 360 360 3AGC TTCTGGGGGC CATCAGCTGC  420 431
(2) INFORMATION FOR SEQ ID NO:170:	n de la companya de La companya de la co
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 266 base pairs	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
<pre>(vi) ORIGINAL SOURCE:     (A) ORGANISM: Homo sapiens</pre>	er and an applications of the
(xi) SEQUENCE DESCRIPTION: SEQ ID NO	•
ACCTGTGGGC TGGGCTGTTA TGCCTGTGCC GGCTGCT TCAAGGAGCT CTGCAGGCAT TTTGCCAANC CTCTCCA CCCCGCTAGA AAGACACCAG ATTGGAGTCC TGGGAGG GTATACTTGT CACCTGAATG AANGAGCCAG AGAGGAA TCAAAGCTAG GGGTCTCGCA GGTGGA	NAG CANAGGGAGCCAACCTACACT 120 GGG AGTTGGGGTG GGCATTTGAT 180

#### (2) INFORMATION FOR SEQ ID NO:171:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 1248 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

NOW IN A SEC OUT THE

- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:171:

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GGCAGCCAAA	TCATAAACGG	CGAGGACTGC	AGCCCGCACT	CGCAGCCCTG	GCAGGCGGCA ·	60
CTGGTCATGG	AAAACGAATT	GTTCTGCTCG	<b>ĢGCGTCCTGG</b>	TGCATCCGCA	GTGGGTGCTG	120
			CAGAGCTCCT			180
CACAGTCTTG	AGGCCGACCA	AGAGCCAGGG	AGCCAGATGG	TGGAGGCCAG	CCTCTCCGTA	240
CGGCACCCAG	AGTACAACAG	ACCCTTGCTC	GCTAACGACC	TCATGCTCAT	CAAGTTGGAC	300
			AGCATCAGCA			360
					AATGCCTACC :	420
			TCTGAGGAGG			480
CCGCTGTACC	ACCCCAGCAT	GTTCTGCGCC	GGCGGAGGC	AAGACCAGAA	GGACTCCTGC	540
					TGTGTCTTTC	600
					CTGCAAATTC	660
ACTGAGTGGA	TAGAGAAAAC	CGTCCAGGCC	AGTTAACTCT	GGGGACTGGG	AACCCATGAA	720
					AGCCCCTCCT	780
					GGTACAGATC	840
CCCAGCCCCT	CCTCCCTCAG	ACCCAGGAGT	CCAGACCCCC.	CAGCCCCTCC	TCCCTCAGAC	900
CCAGGAGTCC	AGCCCCTCCT	CCCTCAGACC	CAGGAGTCCA	GACCCCCCAG	CCCCTCCTCC	960
					GTCCAAGCCC	1020
CCAACCCNTC	ATTCCCCAGA	CCCAGAGGTC	CAGGTCCCAG	CCCCTCNTCC	CTCAGACCCA	1080
					ACGTTGACCC	1140
					AATAAAGTTT	1200
			AAAAAAAAA		the second second	1248

#### (2) INFORMATION FOR SEQ ID NO:172:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 159 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein and the second of the second o
- (vi) ORIGINAL SOURCE:
- (A) ORGANISM: Homo sapiens
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:172:

Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro

	Leu	Leu	Ala	Asn	Asp	Leu	Met	Leu	Ile	Lys	Leu	Asp	Glu	Ser	Va'i	ser
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			33					40			•		45			9
	Ala	Gly	Asn	Ser	Cvs	Len	Val	Ser	Clar	· Transis	01		- ,		٠	
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							-					60		177	9	
	Arg	Met	Pro	Thr	Val	Leu	Gln	Сув	Val	Asn	Val	Ser	Val	Val	Sar	<i>C</i> 1
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. •	Glu	Val	Сув	Ser	Lys	Leu	Tyr	Asp	Pro	Leu	Tyr	His	Pro	Ser	Met'	Phe ·
					85			t Lot of	- 1	90	45.)-	CISIN	2 <b>3</b> 99-3	JHL	95	Ţ ( <del>-</del> ,
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• **	Gly	Gly	Pro.	Leu-	Ile	Cvs	Asn	Glv	Trize	T.on	C1 -		T			
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ATCCTGCGGA AGGAATTCAG					840
TCCAGGCCCC CAGCCCCTCC	TCCCTCAAAC	CAAGGGTACA	GATCCCCAGC	CCCTCCTCCC	900
TCAGACCCAG GAGTCCAGAC	CCCCCAGCCC	CTCCTCCCTC	AGACCCAGGA	GTCCAGCCCC	960
TCCTCCNTCA GACCCAGGAG	TCCAGACCCC	CCAGCCCCTC	CTCCCTCAGA	CCCAGGGGTT	1020
GAGGCCCCCA ACCCCTCCTC	CTTCAGAGTC	AGAGGTCCAA	GCCCCCAACC	CCTCGTTCCC	1080
CAGACCCAGA GGTNNAGGTC					1140
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#### (2) INFORMATION FOR SEQ ID NO:174: ्र को सम्बद्धित के प्रिकृति कि सिंह के अपने के प्राप्त के स्

- (i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 1459 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear A TANA MARKATAN MARKA
- (ii) MOLECULE TYPE: cDNA
- (vi) ORIGINAL SOURCE:
- (A) ORGANISM: Homo sapiens AND A COMMITTEE WAS A STATE OF THE STATE OF

(A) ORGANION. NOMO BAPTONO	<i>F</i> .
TO THE TOTAL PROPERTY OF THE MONTH OF THE MO	S 150
10 (xi) SEQUENCE DESCRIPTION: SEQ 1D NO:174:	
GGTCAGCCGC ACACTGTTTC CAGAAGTGAG TGCAGAGCTC CTACACCATC GGGCTGGGCC	60
TGCACAGTCT TGAGGCCGAC CAAGAGCCAG GGAGCCAGAT GGTGGAGGCC AGCCTCTCCG	120
TACAGCACCC AGAGCCCAC GAGCCCAGAI GGIGGAGGCC AGCITCAGGITGG	180
TACGGCACCC AGAGTACAAC AGACCCTTGC TCGCTAACGA CCTCATGCTC ATCAACTTGCCTTA	240
ACGAATCCGT GTCCGAGTCT GACACCATCC GGAGCATCAG CATTGCTTCG CAGTGCCCTA	300
CCGCGGGGAA CTCTTGCCTC GTTTCTGGCT GGGGTCTGCT GGCGAACGGT GAGCTCACGG	360
GTGTGTGTCT GCCCTCTTCA AGGAGGTCCT CTGCCCAGTC GCGGGGGCTG ACCCAGAGCT	420
CTGCGTCCCA GGCAGAATGC CTACCGTGCT GCAGTGCGTG AACGTGTCGG TGGTGTCTGA	480
NGAGGTCTGC ANTAAGCTCT ATGACCCGCT GTACCACCCC ANCATGTTCT GCGCCGGCGG'	480 540
AGGGCAAGAC CAGAAGGACT CCTGCAACGT GAGAGAGGGG AAAGGGGAGG GCAGGCGACT	
CAGGGAAGGG TGGAGAAGGG GGAGACAGAG ACACACAGGG CCGCATGGCG AGATGCAGAG	600
ATGGAGAGA ACACAGGGAG ACAGTGACAA CTAGAGAGAG AAACTGAGAG AAACAGAGAA	660
ATAAACACAG GAATAAAGAG AAGCAAAGGA AGAGAGAAAC AGAAACAGAC ATGGGGAGGC	720
AGAAACACAC ACACATAGAA ATGCAGTTGA CCTTCCAACA GCATGGGGCC TGAGGGCGGT	780
GACCTCCACC CAATAGAAAA TCCTCTTATA ACTTTTGACT CCCCAAAAAC CTGACTAGAA	840
ATAGCCTACT GTTGACGGGG AGCCTTACCA ATAACATAAA TAGTCGATTT ATGCATACGT	900
TTTATGCATT CATGATATAC CTTTGTTGGA ATTTTTTGAT ATTTCTAAGC TACACAGTTC	960
GTCTGTGAAT TTTTTTAAAT TGTTGCAACT CTCCTAAAAT TTTTCTGATG TGTTTATTGA	1020
AAAAATCCAA GTATAAGTGG ACTTGTGCAT TCAAACCAGG GTTGTTCAAG GGTCAACTGT	1080
GTACCCAGAG GGAAACAGTG ACACAGATTC ATAGAGGTGA AACACGAAGA GAAACAGGAA	1140
AAATCAAGAC TCTACAAAGA GGCTGGGCAG GGTGGCTCAT GCCTGTAATC CCAGCACTTT	1200
GGGAGGCGAG GCAGGCAGAT CACTTGAGGT AAGGAGTTCA AGACCAGCCT GGCCAAAATG	1260
GTGAAATCCT GTCTGTACTA AAAATACAAA AGTTAGCTGG ATATGGTGGC AGGCGCCTGT	1320
AATCCCAGCT ACTTGGGAGG CTGAGGCAGG AGAATTGCTT GAATATGGGA GGCAGAGGTT	1380
GAAGTGAGTT GAGATCACAC CACTATACTC CAGCTGGGGC AACAGAGTAA GACTCTGTCT	1440
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- (2) INFORMATION FOR SEQ ID NO:175:
  - (i) SEQUENCE CHARACTERISTICS:

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1	(C) STRANDI	EDNESS: sing	le.	far tropic	2.3	12 - 4 20 7
	(D) TOPOLOG	nucleic acid EDNESS: sing GY:-linear		337,	Uzar	
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(AT)	OKIGINAL SOU	RCE:	j. 1. B. 7.77	10 Table - 121	\$ .170.7877 B	DITI
	(A) ORGANIS	M: Homo sap	iens	. r	1 .	TT.
(xi)	SEQUENCE DES	CRIPTION: S	EQ ID NO:1	75:		
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CIGGGCCIG	ACAGICITGA	GGCCGACCAA	GAGCCAGGG	A GCCAGATG	GT: GGAGGCC1	AGC 18
CTCTCCGTA	C GGCACCCAGA	GTACAACAGA	CTCTTGCTC	G CTAACGAC	CT :CATGCTC	ATC 24
AAGTTGGAC	G AATCCGTGTC	CGAGTCTGAC	ACCATCCGG	A GCATCAGC	AT TGCTTCGC	CAG 30
TGCCCTACC	G CGGGGAACTC	TTGCCTCGTN	TCTGGCTGG	GTCTGCTG	GC GAACGGC	AGA 36
ATGCCTACC	G TGCTGCACTG	CGTGAACGTG	TCGGTGGTG	CTGAGGAN	GT CTGCAGT	AAG 42
CTCTATGAC	CGCTGTACCA	CCCCAGCATG	<b>ፕፕሮፕሮሮሮ</b>	GCGGAGGG	CN NGNCCNC	AG 48
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IGCAAATTCA	A CTGAGTGGAT	AGAGAAAACC	GTCCAGNCC	A GTTAACTC	rg : gggactgc	GA 66
ACCCATGAAZ	A TTGACCCCCA	AATACATCCT	GCGGAANGA	TTCAGGAA'	FA TCTGTTCC	CA 72
GCCCCTCCTC	CCTCAGGCCC	AGGAGTCCAG	GCCCCCAGCC	CCTCCTCCC	CT CAAACCAA	AGG . : 78
GTACAGATCO	CCAGCCCCTC	CTCCCTCAGA	CCCAGGAGTO	CAGACCCC	CC AGCCCCTC	NT 84
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	(D) TOPOLOG	Y: linear	* * • ?? " ? ·	4 .	· · · · · · · · · · · · · · · · · · ·	
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	Gly	Gly	Gly	Gln	Asp	Gln	Lys	Asp	Ser	Cys	-Asn	Gly	Asp	Ser	Gly		••
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	Pro	Leu	Ile	Cys		GIÀ	Tyr	Leu	Gin	_	Leu	Val	Ser	Phe			
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	ACTC																60
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	GGCT			-													180
	GCCT																240
	TCAA																300
	AGTG																360
	CTGT																420

(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 164 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 1	CAC ACT CAG TGA TTC GGT CTC ACC GAG TTA	ACTGO CATAO TTATO CCTAO ATTTO CACAI AGTAO ACCTO GTGAO ATTAAA	STT ( ATG ( CCT ( CAG ( ATG ( ATG ( CAG ( CAG ( CAG ( CAG ( CAG ( ACA ( CAG ( CAG ( CAG ( ACA ( CAG (	CTCCC CCGA' CACTC AGGTC CTGT' ATGAL CAGGC SACTC AGAGC	GAAGT GAATT GAGGC GGTAC ATGTA GCAGG CCTGC GGCCC TGTG	TC AGENT AGE	GACTA GTGAL GATCA GATCA AAAGG ATCGT FAGCA GTTC GTTA	ATCA: AATTA FCCTO FAGCT FAGCT FTGCO ATTTO FAGCT	F GA GC G CT F CT G CC C CC C TT F AG G GG A AA	TTACTORACTORACTORACTORACTORACTORACTORACT	IGTG CTTG IGTC EGAT EGAG CCCA FAGT ECTC ETGC	TTG. GCC' AGCC GCTC AAGC GTAC CTGC	ACTG' CAAC GGTAC GCCAC CCTT' CGCTC CATGC CTAAC CCTAAC CCTA	TGC 1 CCA 1 CCC 1 CTC ( CGG 1 TAA 1 STC ( CTG ( CTG (	PGTC: PCTTC ACATA CCCTC PGGGT ATCCC CATTC CCTCC CATTA	PATTO GTATA AATT CACAA GTGO CTCAT CATGO	ET IC IC IA IA IG IG IA IG IG IG IG IG IG IG IG IG IG IG IG IG	
(A) LENGTH: 164 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 1 5 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35 40 45  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Kaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130 135 140	,	(i)	SEC	UENC	E CH	[ARAC	TER I	STIC	'S		<i>i</i> .:	:	٠.			,		
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 1 5 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35 40 45  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg		,-,											• ••	• • •			•	٠.
(ii) MOLECULE TYPE: protein  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 1	. •																	
(ii) MOLECULE TYPE: protein  (vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 1	٠	.\$.	. ; . (C	') SI	RAND	EDNE	SS:	sing	ile 🖟	€ €	; .	. t.,.	. • •	•	r, 1		18	
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35 40 45  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 70 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 126 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130 135			(E	)) TO	POLO	GY:∙,	line	ar		-	•	-		٠.		٥Ì.	•	
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35 40 45  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 70 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 126 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130 135		(ii)	MOT	ECH	R TY	. sid.	nrot	ein.	_ :				-					
(vi) ORIGINAL SOURCE:  (A) ORGANISM: Homo sapiens  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:  Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35 40  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 70 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130 135 116		,					, .	CIII					-				7 -	
Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr  1 5 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35 40 45  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arr 130 135 140																		
Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 45  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arr 130 135 136		٠٠.	/A	) OR	GANI	SM:	Homo	sap	iens		.:					<del>-</del> -	\$ P	
Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr 10 15  Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 45  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arr 130 135 136		(a.2)	270					1001								-		
Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Tr  1		(X1)																
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130  135  140		Met	Glu	Asn	Glu	Leu	Phe	Cvs	Ser	GIV	Val	Len	v. Vəl	Uic	Pro	al n	t.	
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Let 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 45 40  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser 65 70 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130 135 135		1				5		<b>-</b> 7.5	501	O <sub>1</sub>		. пец	vaı	urs	PLO		пр	
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Le 20 25 30  Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35 40  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Ard 130  135  140					٠,	·	Χ.	4		r particular.	77.		Ç1 -	٠.	r - ·			
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130  135		Val	Leu	Ser	Ala	Ala	His	Cys	Phe	Gln	Asn	Ser	Tyr	Thr	Ile	Gly	Leu	
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Va 35  Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65  70  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130  135					20													
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50 55 60  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg		Glv	ľ.eu	Hic	Car	T.011	. Gl 11	<b>77</b> 2	N an	G1 -		19 N.C				1 to 1	; :	
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le 50  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65  70  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100  105  110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130  135	-	GLY	LCu		Ser	neu	GIU	AId	40	GIN	GIU	Pro	GIY	Ser	Gin	Met	val	
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Le  50  Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se  65  70  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl  85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va  100  105  110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu  115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg  130  135  140	, , ,									: =				45				
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 65 70 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 126  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc 130 135 140		Glu	Ala	Ser	Leu	Ser	Val	Arg	His	Pro	Glu	Tyr	Asn	Arg	Pro	Leu	Leu	
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Se 70 75 80  Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85 90 95  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130 135 140			50								1 y 1	e, c	60	1 TT.				
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc 130  135  Asn Ser Cys Leu Val Ser Ile Ala Ser Gly Trp Glu Cys Glu Lys Leu 115  126  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc		77-	Non.	N am	T 011	Mob	T	<b>T</b> 1-	<b>*</b>	•								
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gl 85  Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100  105  110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115  20  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg 130  135  140		65	Abii	Аър	neu	Mec		me	гуя	Leu	Asp	GIU	ser	Val	Ser	Glu	Ser	
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc		•••					,,					/5		•			80	
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc		Asp	Thr	Ile	Arg	Ser	Ile	Ser	Ile	Ala	Ser	Gln	Cvs	Pro	That .	Ala	Glv	
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Va 100 105 110  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu 115 120 125  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc 130 135 140									-								O11	
100  Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Let 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc 130  135  140	- `																	
Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Let 115  Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc 130  135  140		Asn	Ser	Cys	Leu	Val	Ser	Gly	Trp		Leu	Leu	Ala	Asn	Asp	AJ,a	Val	
Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc  130  116 Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Let  127  128  129  127  128  129  120						. <u></u>									110			
Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc		Ile	Ala	I)e	G]n	Ser	Xaa	Thr.	.Val	 G3 v	<b>G</b> 3	Trans.	(1)		. , , \ 3	T =	7	
Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc 130 135				115					120	OLY	GIA	TTD,	GIU	L.YS	GIU	ьys	eu	•
Ser Gin Pro Trp Gin Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arc			٠,	٠.	•			٠.				٠.			·			
135 135 140 140 140 140 140 140 140 140 140 140	:	Ser	Gln	Pro	Trp	Gin	Gly	Cys:	Thr	Ile	Ser	Ala-	Thr	Ser-	Ser	Ala	Arq	
	• • :		130	•	·	•		135	••••		. (	• •	140	. : :				٠.
. Int Set Cys Cys IIe Leu Thr Gly Cys Ser Leu Leu Leu Thr Ala Ser	.40	Th-						m³.	1.4			•						
	Υ	THE	sel.	cys	cys	тте	ьeu	TUX.	GIÀ	.Сув	Ser	Leu	Leu	Leu	Thr	Ala	Ser	٠.

145	160:
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Pro Gly Thr Leu	
(2) INFORMATION FOR SEQ ID NO:179:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 250 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:179:	
CTGGAGTGCC TTGGTGTTTC AAGCCCCTGC AGGAAGCAGA ATGCACCTTC TGAGGCACC CCAGCTGCCC CCGGCCGGG GATGCGAGGC TCGGAGCACC CTTGCCCGGC TGTGATTGC	T 60
GCAGCACT GTTCATCTCA GCTTTTCTGT CCCTTTGCTC CCGGCAAGCG CTTCTGCTG	
AAGTTCATAT CTGGAGCCTG ATGTCTTAAC GAATAAAGGT CCCATGCTCC ACCCGAAAA	A 240
AAAAAAAAA 21 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	250
ARABAMANAN AN	
(2) INFORMATION FOR SEQ ID NO:180:	or. Tro
The second secon	
(1) amountain and Da amen Lamitag	
(A) LENGTH: 202 base pairs (A) United the ACM TOWNS (A)	dedita in a second
/m\	
(C) STRANDEDNESS: single : SMARRAGETTANA CARACTERS	•
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	
pin shall a the fe	
a Christian and a Court of the	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:180:	
ACTAGTCCAG TGTGGTGGAA TTCCATTGTG TTGGGCCCAA CACAATGGCT ACCTTTAAC	A 60
TCACCCAGAC CCCGCCCTG CCCGTGCCCC ACGCTGCTGC TAACGACAGT ATGATGCTT	'A 120
CTCTGCTACT CGGAAACTAT TTTTATGTAA TTAATGTATG CTTTCTTGTT TATAAATGC	C 180
	202
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(2) INFORMATION FOR SEQ ID NO:181:	
	/~ .·
(1) CENTENCE CUNDACTEDISTICS.	
(A) TENGTH: 558 base pairs	• •
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
the control of the co	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:181:	
TCCYTTTGKT NAGGTTTKKG AGACAMCCCK AGACCTWAAN CIGTGTCACA GACTTCYNG	G 60
AATGTTTAGG CAGTGCTAGT AATTTCYTCG TAATGATTCT GTTATTACTT TCCTNATTC	T 120
TTATTCCTCT TTCTTCTGAA GATTAATGAA GTTGAAAATT GAGGTGGATA AATACAAA	AA 180
GGTAGTGTGA TAGTATAAGT ATCTAAGTGC AGATGAAAGT GTGTTATATA TATCCATTG	CA 240
AAATTATGCA AGTTAGTAAT TACTCAGGGT TAACTAAATT ACTTTAATAT GCTGTTGA	AC 300
CTACTCTGTT CCTTGGCTAG AAAAAATTAT AAACAGGACT TTGTTAGTTT GGGAAGCC	AA 360

ATTGATAATA TTCTATGTTC TAAAAGTTGG GCTATACATA AATTATTAAG AAATATGGAW 420

TTTTATTCCC AGGAATATGG KGTTCATTTT ATGAA AAAAYCAGTT TTGGTWAATA YGTWAATATG TCMTA CAAAAAAAA AAAAAAAA	TATTA CSCRGGATAC AATAA ACAAKGCTTI	G AWGTWTGAGT F GACTTATTTC	48 54 55
(2) INFORMATION FOR SEQ ID NO	:182:/		
		Company of the	-
(A) LENGTH: 479 base pairs			. •
(B) TYPE: nucleic acid	• • • • •		
(C) STRANDEDNESS: single	The second section of the second	MARKET L	٠.
(D) TOPOLOGY: linear	**: •2	San Carlot	
(a.t.) Grovenson and a		•	
(xi) SEQUENCE DESCRIPTION: SEQ II	NO:182:	1 4 66 21 11 11 11 11 11 11 11 11 11 11 11 11	
ACAGGGWTTK GRGGATGCTA AGSCCCCRGA RWTYGT	TTGA TCCAACCCTG	GCTTWTTTTC	60
AGAGGGGAAA ATGGGGCCTA GAAGTTACAG MSCATY	TAGY TGGTGCGMTG	GCACCCCTGG	120
CSTCACACAG ASTCCCGAGT AGCTGGGACT ACAGGC	ACAC AGTCACTGAA	GCAGGCCCTG CE	180
TTWGCAATTC ACGTTGCCAC CTCCAACTTA AACATT	CTTC ATATGTGATG	<b>ጥርርጥ</b> ሞልርጥሮል′	240
CTAAGGTTAA ACTTTCCCAC CCAGAAAAGG CAACTT	AGAT AAAATCTTAG	AGTACTTTCA :	300
TACTMTTCTA AGTCCTCTTC CAGCCTCACT KKGAGT	CCTM CYTGGGGGTT	GATAGGAANT	360
NTCTCTTGGC TTTCTCAATA AARTCTCTAT YCATCT	CATG TTTAATTTGG	TACGCATAPA	420
AWTGSTGARA AAATTAAAAT GTTCTGGTTY MACTTT	AAAA ARAAAAAAA	AAAAAAAA	479
	对一型运动的 "他看到我想的。"		
(2) INFORMATION FOR SEQ ID NO:183:	LEFT IN STATE OF	valeta (Shejiri	
(1)	fact, and a	$\{x_i \in I \mid i \in \mathcal{I}_i\}$	:
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 384 base pairs	* .	,	
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	• '		
(D) TOPOLOGY: linear; [ *** \		<i>(</i> )	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
(xi) SEQUENCE DESCRIPTION: SEQUID	NO:183:		
The Mark that are a second to the			
AGGCGGGAGC AGAAGCTAAA GCCAAAGCCC AAGAAG	AGTG GCAGTGCCAG	САСТССТССС:	60
AGTACCAGTA CCAATAACAG TGCCAGTGCC AGTGCC	AGCA CCAGTGGTGG	СТТСАСТССТ	120
GGTGCCAGCC TGACCGCCAC TCTCACATTT GGGCTCT	TCG CTGGCCTTGG	TGGAGCTGGT	180
GCCAGCACCA GTGGCAGCTC TGGTGCCTGT GGTTTCT	CCT ACAAGTGAGA	ጥጥጥልርልጥልጥ	240
TGTTAATCCT GCCAGTCTTT CTCTTCAAGC CAGGGTC	CAT CCTCAGAAAC	CTACTCAACA	300
CAGCACTCTA GGCAGCCACT ATCAATCAAT TGAAGTT	GAC ACTCTGCATT	ARATCTATTT	360
GCCATTTCAA AAAAAAAAA AAAA	The first of the control		384
	History of the A		
(2) INFORMATION FOR SEQ ID NO:1	.84: Jan 71 . 174.	. N. 104 - 114	
(i) SEQUENCE CHARACTERISTICS:	.,		
(A) LENGTH: 496 base pairs	وعوامل العالم فيعرف		
(B) TYPE: nucleic acid			
(C) STRANDEDNESS single	ال المنظم ال المنظم المنظم المنظ	time satisfies the same of	
(D) TOPOLOGY: linear			
an pilita ni satah Kabupatèn	and the second of the second o		•
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:184	tei in	
	* * * * * * * * * * * * * * * * * * *		•
ACCGAATTGG GACCGCTGGC TTATAAGCGA TCATGTY	YNT CCRGTATKAC	CTCAACGAGC	60

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AGGGAGATCG AGTCTATACG CTGAAGAAAT	TTGACCCGAT	GGGACAACAG	ACCTGCTCAG	120
CCCATCCTGC TCGGTTCTCC CCAGATGACA				- 180
AACGCTTCAA GGTGCTCATG ACCCAGCAAC				240
TGATGTCTTT TCTGCCACCT GTTACCCCTC				300
				360
TGAGCCCTGA TGCCTTTTTG CCAGCCATAC				420
ATTATGCTTG TGTGAGGCAA TCATGGTGGC				
TTTTTCTCAT ATTTTAAATT ACTACMAGAW	TATTWMAGAW	WAAATGAWTT	GAAAAACTST	480
TAAAAAAAA AAAAAA			e diak	496
The second of the second of the second				
(2) INFORMATION FOR SEQ	ID NO:185:		$\mathcal{L}_{n}$	
and the burners of the burners of the second	., 1.10 DIV 3			
(1) SEQUENCE CHARACTERISTIC	OS:		: . · · · · ·	
(A) LENGTH: 384 base pain	cs			
(B) TYPE: nucleic acid	YAR 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		. (j) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i	
(C) STRANDEDNESS: single	シガゴニ ひにん	7 ( ) 1 - 1 - 10 7 T	II. On I 1 I I	: ()
(D) TOPOLOGY: linear			*	
	e par emission que a	20 3 C C 20 20 20 20 20 20 20 20 20 20 20 20 20	$\mathbf{r}_a$	
	·			
(xi) SEQUENCE DESCRIPTION:	SEO ID NO:	185: 5	Same of the	
(AI) Digolinos Discussion	1. Å.	The set of the f		
GCTGGTAGCC TATGGCGKGG CCCACGGAGG	•			60
CAAGTATCYT GCGCSGCGTC TTCTACCGTC				120
AGGAGGACAT GGACGTGGCC CTCATGGAGC				180
GGGCACACCC TCCTGGGGCC CAGGCGGGCA				240
TGGTGCTGCT CCTCGTCATC TTCCTGCTCG				3 0 0
TTGCCATGTT CAGTTACACA TTCGGCAAAG				360

#### The second of the control of the con (2) INFORMATION FOR SEQ ID NO:186: and the first of the second second

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 577 base pairs
- (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

GCGCAGCGTT ACCGCCTCAT CCGG

5.41

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:186:

· · · :		4	The state of the s		10 11 T	
GAGTTAGCTC	CTCCACAACC	TTGATGAGGT	CGTCTGCAGT	GGCCTCTCGC	TTCATACCGC	60
TNCCATCGTC	ATACTGTAGG	TTTGCCACCA	CYTCCTGGCA	TCTTGGGGCG	GCNTAATATT	120 .
CCAGGAAACT	CTCAATCAAG	TCACCGTCGA	TGAAACCTGT	GGGCTGGTTC	TGTCTTCCGC	180 (
TCGGTGTGAA	AGGATCTCCC	AGAAGGAGTG	CTCGATCTTC	CCCACACTTT	TGATGACTTT	240
ATTGAGTCGA	TTCTGCATGT	CCAGCAGGAG	GTTGTACCAG	CTCTCTGACA	GTGAGGTCAC	300
CAGCCCTATC	ATGCCGTTGA	MCGTGCCGAA	GARCACCGAG	CCTTGTGTGG	GGGKKGAAGT	360
CTCACCCAGA	TTCTGCATTA	CCAGAGAGCC	GTGGCAAAAG	ACATTGACAA	ACTCGCCCAG	420
GTGGAAAAAG	AMCAMCTCCT	GGARGTGCTN	GCCGCTCCTC	GTCMGTTGGT	GGCAGCGCTW	480
TCCTTTTGAC	ACACAAACAA	GTTAAAGGCA	TTTTCAGCCC	CCAGAÁANTT	GTCATCATCC	540
AAGATNTCGC	ACAGCACTNA	TCCAGTTGGG	ATTAAAT			577

#### (2) INFORMATION FOR SEQ ID NO:187:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 534 base pairs
- (B) TYPE: nucleic acid

120

180

1.00	C) STRANDEDI	NESS: single		11.7 To 1	1. The second of	
. · · (1	) TOPOLOGY	linear				
		lia niogi neci				
		DESCRIPTION:				
		C 90% 45 39 W				,
		TGTGTAATAT			<u> </u>	6
ACTKGGAAAA	GMAACATTAA	AGCCTGGACA	CTGGTATTAA	AATTCACAAT	ATGCARCACT	12
TTAAACAGTG	TGTCAATCTC	CTCCCYYNAC	<b>ፕ</b> ሞፕርፕሮ <b>ል</b> ጥርል	CCACTCTCC	AIGCAACACA:	18
TGCCCTATTC	ACACCTGTTA	AAAGGCCCT	AAGCATTTT	GATTCTACAT	TATOOOTA	24
GACACAAGTC	CGAAAAAAGC	AAAAGTAAAC	AGTTATYAAT	TTGTTAGCCA		30
TTCATGGGAC	AGAGCCATYT	GATTTAAAAA	GCAAATTGCA	באבטרוו ביודים	CTTVCCCACC	36
TGATATTTGA	GCGGAAGAGT	AGCCTTTCTA	CTTCACCAGA	CACAACTCCC	THITCATTATTC	36 42
GGATGTTNAC	NAAAGTWATG	TCTCTWACAG	ATGGGATGCT	TTTCTCTCTC	THE CHECKER OF COLUMN	
		CCACTTGCAC				48
		CONCILOCAC		Treffecte		53
(	2) INFORMAT	ION FOR SEQ				
•	2) INIOIGHI	TON TON BEQ	1D NO:166:			
(i) ·	SECUENCE CH	ARACTERISTIC	*C.		in the second	
		61 base pair				
		leic acid				
(C	) STRANDEDN	ESS: single	re a later i tarre la Crista de la finalista de	ri deservation deservations. Programmes deservations deservations deservations deservations deservations deservations deservations deservat		
σ).	) TOPOLOGY	linear 3	هما الحيم الحيم الفاط المعام والموج الله المراجع المراجع الم	a marina sakan da katalori Tanggaran	ere i i i i i i i i i i i i i i i i i i	
e de la companya de l			in a la companya di sanggari sa sangga Sanggari sanggari sa		en de la companya de La companya de la co	
ne.	rentrate de la compania de la compa	andina na ma	r right day is to an Am amma is is to an	is the state of th	o Moral de la companya della companya de la company	and the second
(xi)	SEQUENCE D	ESCRIPTION:	SEO ID NO 1	88.		ist a le le Le grece e
			m=6, 45 1(0.01			and the second
AGAAACCAGT	ATCTCTNAAA	ACAACCTCTC	ATACCTTGTG			60
TGTGTGTGCG	CGCATATTAT	ATAGACAGGC:	ACATCTTTTT	TACTITUTE	AAAGCTTTATG	120
CCTCTTTGGT	ATCTATATCT	GTGAAAGTTT	TAATGATCTG	CCATAATGTC	TTCCCCACCT	180
TTGTCTTCTG	TGTAAATGGT	ACTAGAGAAA	ACACCTATNT	ТАТСАСТСАА	TCTACTTNCT	240
TTTATTCGAC	ATGAAGGAAA	TTTCCAGATN	ACAACACTNA	CAAACTCTCC	CTKGACKARG	300
GGGGACAAAG	AAAAGCAAAA	CTGAMCATAA	RAAACAATWA	CCTGGTGAGA	ARTTGCATAA	360
ACAGAAATWR	GGTAGTATAT	TGAARNACAG	CATCATTAAA	RMGTTWTKTT	WTTCTCCCTT	420
GCAAAAAAACA	TGTACNGACT	TCCCGTTGAG	TAATGCCAAG	TTGTTTTTT	TATNATAAAA	480
CTTGCCCTTC	ATTACATGTT	TNAAAGTGGT	GTGGTGGGCC	ААААТАТТСА	AATGATGAA	540
CTGACTGATA	AAGCTGTACA	AATAAGCAGT	GTGCCTAACA	AGCAACACAG	TAATGTTGAC	600
ATGCTTAATT	CACAAATGCT	AATTTCATTA	TAAATGTTTG	CTAAAATACA	CTTTGAACTA	660
TTTTTCTGTN	TTCCCAGAGC	TGAGATNTTA	GATTTTATGT .	AGTATNAAGT	GAAAAANTAC	720
GAAAATAATA	ACATTGAAGA	AAAANANAAA	AAANAAAAA	Α	. 19 6	761
		5 _ T_5 0	127.7		JT 46.1. 20.1	
(2	) INFORMATI	ON FOR SEQ.				
-		. s. n <del>.</del>				
(i) S		RACTERISTIC				(
(A)	LENGTH: 48	2 base pair	<b>3</b>	e de la companya de Companya de la companya de la compa		
(B)	TYPE: nucl	eic acid			egeneral organization	
(C)	STRANDEDNE	SS: single	n na sana an		arian and an analas and	
(D)	TOPOLOGY:	linear			an a company to the area.	
		,				•
(xi)	SEQUENCE DE	SCRIPTION:	SEO ID NO-1	89:		
• •					• •	

TTTTTTTTT TTTGCCGATN CTACTATTTT ATTGCAGGAN GTGGGGGTGT ATGCACCGCA

CACCGGGGCT ATNAGAAGCA AGAAGGAAGG AGGGAGGGCA CAGCCCCTTG CTGAGCAACA

AAGCCGCCTG CTGCCTTCTC TGTCTGTCTC CTGGTGCAGG CACATGGGGA GACCTTCCCC

AAGGCAGGGG	CCACCAGTCC	AGGGGTGGGA	ATACAGGGGG	TGGGANGTGT	GCATAAGAAG	240
		GTACAGACCC				300
		CACAGCGTAN				360
AAATTTGGCT	NGTCATNGAA	NGGGCANTTT	TCCAANTING	GCTNGGTCTT	GGTACNCTTG:	420
GTTCGGCCCA	GCTCCNCGTC	CAAAAANTAT.	TCACCCNNCT	CCNAATTGCT	TGCNGGNCCC	480
CC					A Land	482
					7	sa da
(2	) INFORMATI	ON FOR SEQ	ID NO:190:	e z ji ili ze sa il	*.	
	a was a second				and the second	· - ·
- /iì c	POURNOR CHA	APACTERISTIC	'S			
(A)	LENGTH: 47	71 base pair	cs tyte	·		• • • • • • • • • • • • • • • • • • • •
(B)	TYPE: nucl	leic acid				
(C)	STRANDEDNE	SSS: single				
(a)	TOPOLOGY:	linear		*	• • •	
	1010101		State of a state of			٠.
(vi)	SECUENCE DE	SCRIPTION:	SEO ID NO:	190:	November 1	•
(XI)				er ar in die		
detalalalalalalalala)	משמממשיים	GTTTTTCACA				60
		GAACTACCAT				120
		AATGGAACCA				180
		CAAAAAAAAA				240
		TAAGACACAG				300
		ATCCAACCAA				360
		GCCAGGAACN				420
					, <b>C</b> + 2 - 2 - 4, 2 \( \) +2	
ICIGIAATIN	ANTICANCCI	CCGIACNOAA	**************************************			
	.) ТИРОРМАТ	TON FOR SEC	TD -NO - 1.91 -			
	z, informi	TOW TOW DEE	20, 10, 252		and the second of the second	-
94.1 25 25 <b>63.3</b> 3	SPOTTENCE (CH)	ARACTERISTI	CS at the second		a de	
(1) (1) (A)	LENGTH A	02 base pai	rs			
(A)	TVDE - nuc	oz basc par. leic acid				
(C	), TIPE: HUC.	rest acid		and the second of the second o	÷ ,	
(D	) SIRANDEDIN	linear			To see 1895	. 1 - 2
(D	10POHOGI.	IIIIear	()	. with a 100 miles		
				• •		
(504.)	CECTIENCE D	ESCRIPTION:	SEC ID NO.	101.		:
(X1·)	SEQUENCE D	ESCRIPTION.	DEQ ID NO.			•
CACCOA MINO	3 COMO CO	TA CTCTCCCM	CTCTTCACCC	ል <b>ሮሮ</b> ልልሮ <mark>ሞሮሞ</mark> ል	ACAAGTTGCT	. 60
GAGGGAIIGA	AGGICIGIIC	A VGCGGGGG	ACCCAGACWG	TATCTTCATA	AATAGAACAA	120
					AGCTCTTCCA	180
					AATTYAATTG	240
					CCTAAAGTCC	300
		TOTOCTIGAA TATACTTAAT				360
					IMMMIICIGC	402
AAGAGTCATC	TGTCTGCAAA	AGTTGCGTTA	GIAIATCTGC	CA		402
٠,			TD NO. 100			
(	<ol><li>INFORMAT</li></ol>	ION FOR SEQ	TU NO:192:	• •	ta t	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 601 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

392

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:192: The state of the s GAGCTCGGAT CCAATAATCT TTGTCTGAGG GCAGCACACA TATNCAGTGC CATGGNAACT GGTCTACCCC ACATGGGAGC AGCATGCCGT AGNTATATAA GGTCATTCCC TGAGTCAGAC ATGCYTYTTT GAYTACCGTG TGCCAAGTGC TGGTGATTCT YAACACACYT CCATCCGYT CTTTTGTGGA AAAACTGGCA CTTKTCTGGA ACTAGCARGA CATCACTTAC AAATTCACCC ACGAGACACT TGAAAGGTGT AACAAAGCGA YTCTTGCATT GCTTTTTGTC CCTCCGGCAC CAGTTGTCAA TACTAACCCG CTGGTTTGCC TCCATCACAT TTGTGATCTG TAGCTCTGGA TACATCTCCT GACAGTACTG AAGAACTTCT TCTTTTGTTT CAAAAGCARC TCTTGGTGCC 420 TGTTGGATCA GGTTCCCATT TCCCAGTCYG AATGTTCACA TGGCATATTT WACTTCCCAC 480 AAAACATTGC GATTTGAGGC TCAGCAACAG CAAATCCTGT TCCGGCATTG GCTGCAAGAG CCTCGATGTA GCCGGCCAGC GCCAAGGCAG GCGCCGTGAG CCCCACCAGC AGCAGAAGCA 600 TO BENEAU AND THE 601 THE TANK STRUCTURE (2) INFORMATION FOR SEQ ID NO:193: (i) SEQUENCE CHARACTERISTICS: A REPORT OF THE PROPERTY OF THE (A) LENGTH: 608 base pairs (B) TYPE: nucleic acid to a common the company of the (C) STRANDEDNESS: Single (D) TOPOLOGY: linear ATTACK (XI) SECURACE DESCRIPTION, SECURE AS A SECURA AS A SECURE AS A SECURA AS A SECURE AS A SECURA AS A SECURE AS (xi) SEQUENCE DESCRIPTION: SEQ ID NO:193: 1. 23. A PROPERTY OF A THE WAR AND THE WAS TO SEEN TO SEE THE SECOND CONTROL OF SECOND AVACAGCCCA NATCCCACCA CGAAGATGCG CTTGTTGACT GAGAACCTGA TGCGGTGACT 60 GGTCCCGCTG TAGCCCCAGC GACTCTCCAC CTGCTGGAAG CGGTTGATGC TGCACTCYTT 120 CCCAACGCAG GCAGMAGCGG GSCCGGTCAA TGAACTCCAY TCGTGGCTTG GGGTKGACGG 180 TKAAGTGCAG GAAGAGGCTG ACCACCTCGC GGTCCACCAG GATGCCCGAC TGTGCGGGAC 240 CTGCAGCGAA ACTCCTCGAT GGTCATGAGC GGGAAGCGAA TGAGGCCCAG GGCCTTGCCC 300 AGAACCTTCC GCCTGTTCTC TGGCGTCACC TGCAGCTGCT GCCGCTGACA CTCGGCCTCG 360 GACCAGCGGA CAAACGGCRT TGAACAGCCG CACCTCACGG ATGCCCAGTG TGTCGCGCTC 420 CAGGAMMGSC ACCAGCGTGT CCAGGTCAAT GTCGGTGAAG CCCTCCGCGG GTRATGGCGT CTGCAGTGTT TTTGTCGATG TTCTCCAGGC ACAGGCTGGC CAGCTGCGGT TCATCGAAGA 540 GTCGCGCCTG CGTGAGCAGC ATGAAGGCGT TGTCGGCTCG CAGTTCTTCT TCAGGAACTC 600 CACGCAAT 608 in the state of th (2) INFORMATION FOR SEQ ID NO:194: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 392 base pairs (B) TYPE: nucleic acid The State of the S (xi) SEQUENCE DESCRIPTION: SEQ ID NO:194: GAACGGCTGG ACCTTGCCTC GCATTGTGCT TGCTGGCAGG GAATACCTTG GCAAGCAGYT CCAGTCCGAG CAGCCCCAGA CCGCTGCCGC CCGAAGCTAA GCCTGCCTCT GGCCTTCCCC 120 TCCGCCTCAA TGCAGAACCA GTAGTGGGAG CACTGTGTTT AGAGTTAAGA GTGAACACTG 180 TTTGATTTTA CTTGGGAATT TCCTCTGTTA TATAGCTTTT CCCAATGCTA ATTTCCAAAC 240 AACAACAACA AAATAACATG TTTGCCTGTT AAGTTGTATA AAAGTAGGTG ATTCTGTATT 300 TAAAGAAAAT ATTACTGTTA CATATACTGC TTGCAATTTC TGTATTTATT GKTNCTSTGG

AAATAAATAT AGTTATTAAA GGTTGTCANT CC

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€ 13 125.64

99.5

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#### (2) INFORMATION FOR SEQ ID NO:195: Control of the State of the Sta

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 502 base pairs

  (B) TYPE: nucleic acid
- (D) TOPOLOGY: linear The or all the contract of the same of the contract of the con

#### and the second of the second o (xi) SEQUENCE DESCRIPTION: SEQ ID NO:195:

CCSTTKGAGG	GGTKAGGKYC	CAGTTYCCGA	GTGGAAGAAA	CAGGCCAGGA	GAAGTGCGTG	60
CCGAGCTGAG	GCAGATGTTC	CCACAGTGAC	CCCCAGAGCC	STGGGSTATA	GTYTCTGACC	120
CCTCNCAAGG	AAAGACCACS	TTCTGGGGAC	ATGGGCTGGA	CGGCAGGACC	TAGAGGCACC	180
AAGGGAAGGC	CCCATTCCGG	GGSTGTTCCC	CGAGGAGGAA	GGGAAGGGGC	TCTGTGTGCC	240
CCCCASGAGG						300
CAAATGCAAG						360
GSCSCACACC						420
GCARCGTGGA	CATCTNGTCC	CAGAAGGGGG	CAGAATCTCC	AATAGANGGA	CTGARCMSTT	480
GCTNANAAAA	AAAAANAAAA	AA				502
		172:	2 .1 .7	9 F F F F ,		

#### (2) INFORMATION FOR SEQ ID NO:196: BONG ON THE PROPERTY OF A STORY OF THE PROPERTY OF A STORY OF A ST

- (i) SEQUENCE CHARACTERISTICS House of the control o
- No (A). LENGTH: 7665 base pairs (No. 1976 base) & Profession & Profession & No. 1976 by
- 10 (B) TYPE: nucleic acid realway From All 1. The section of Will
- (C): STRANDEDNESS: single AREA 1879 CO. A CONTROL OF A VICTORIAL (D): TOPOLOGY: linear Drand Class Area Control Contro
- The (D) TOPOLOGY: linear Divines a second of the control of the co

#### galerratis (Tempo Indiana Amerika In (xi) SEQUENCE DESCRIPTION: SEQ ID NO:196:

(XI) SEQUENCE DESCRIPTION: OBQ ID NO.130.	
The state of the s	. 1
GGTTACTTGG TTTCATTGCC ACCACTTAGT GGATGTCATT TAGAACCATT TTGTCTGCTC	60
CCTCTGGAAG CCTTGCGCAG AGCGGACTTT GTAATTGTTG GAGAATAACT GCTGAATTTT	120
WAGCTGTTTK GAGTTGATTS GCACCACTGC ACCCACAACT TCAATATGAA AACYAWTTGA	180
ACTWATTTAT TATCTTGTGA AAAGTATAAC AATGAAAATT TTGTTCATAC TGTATTKATC	240
AAGTATGATG AAAAGCAAWA GATATATATT CTTTTATTAT GTTAAATTAT GATTGCCATT	300
ATTAATCGGC AAAATGTGGA GTGTATGTTC TTTTCACAGT AATATATGGC TTTTGTAACT	360
TCACTTGGTT ATTTTATTGT AAATGARTTA CAAAATTCTT AATTTAAGAR AATGGTATGT	420
WATATTTATT TCATTAATTT CTTTCCTKGT TTACGTWAAT TTTGAAAAGA WTGCATGATT	480
TCTTGACAGA AATCGATCTT GATGCTGTGG AAGTAGTTTG ACCCACATCC CTATGAGTTT	540
TTCTTAGAAT GTATAAAGGT TGTAGCCCAT CNAACTTCAA AGAAAAAAAT GACCACATAC	600
TTTGCAATCA GGCTGAAATG TGGCATGCTN TTCTAATTCC AACTTTATAA ACTAGCAAAN	660
AAGTG AD CONTRACT OF BUMBLES ENDARGEWAY.	665

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#### est and a signification of the second of the (2) INFORMATION FOR SEQ ID NO:197:

State of the Control of Applications of the Control of the Control

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 492 base pairs
  (B) TYPE: nucleic acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

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#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:197:

			**			
TTTTNTTTTT	TTTTTTTTGC	AGGAAGGATT	CCATTTATTG	TGGATGCATT	TTCACAATAT	60
ATGTTTATTG	GAGCGATCCA	TTATCAGTGA	AAAGTATCAA	GTGTTTATA	NATTTTTAGG	
<b>ልል</b> ርርር ልር ልጥጥ	CACACAACAT	COMICEON		OIDINIMIA	MATITITAGG	120
PROCESORII	CACAGAACAI	GCINGICNGC	TIGCAGTTTT	· ACCTCGTANA	GATNACAGAG	180
AATTATAGTC	NAACCAGTAA	ACNAGGAATT	ጥሽ ርማማማማማሪካ እ	3303mm333m	CCAAACTGAA	
C A A A MOMOMA	CCCTCTTT		INCITITIONA	AAGAT TAAAT	CCAAACTGAA	240
CAAAATTCTA	CCCTGAAACT	TACTCCATCC	AAATATTGGA	ATAANAGTCA	GCAGTGATAC	300
ATTCTCTTCT	GAACTTTAGA	מאט מישיים שיים מישיים איי	A A BER DOM: >		GAAGAGCTCT	300
	- CITTINGA	IIIICIAGAA	AAATATGTAA	TAGTGATCAG	GAAGAGCTCT	360
TGTTCAAAAG	TACAACNAAG	CAATGTTCCC	TTACCATACC	C'CHIPTO A CHIPCO A	AACTTTGATC	
<u>് സ് സ്</u>	CCAMOAGGGG	3.575.375	- INCUMING	CCTIAATICA	AACTTTGATC	420
CATTICACIC	CCATCACGGG	AGTCAATGCT	ACCTGGGACA	CTTGTATTTT	GTTCATNCTG	480
ANCNTGGCTT						
		: 35 % 1.				492

## (2) INFORMATION FOR SEQ ID NO:198:

- then were the service of the property of the p (i) SEQUENCE CHARACTERISTICS: STORE CONTROL OF THE CONTROL OF THE
- or (A) LENGTH: 4.78 base pairs against a continue person and provide a
- 40(B) TYPE: nucleichacid the some west to the suggest that
- (C) STRANDEDNESS single many and the stranger
- Topology: linear construction of the transfer transfer to the contract of the

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:198:

		1 7 1	J. C. S.	134 1900 9 31		
TTTNTTTTGN	ATTTCANTCT	GTANNAANTA	TTTTCATTAT	מאמייים לידיידים	ለ	60
TGTNTCCACN	ACAAATCATN	TTACNTNAGT	AAGAGGCCAN	יייייייייייייייייייייייייייייייייייייי	CAACATACAC	
TGAGTATATT	TTGAAAAGGA	СААСТТТААА	CTANACNOAT	AMMOGGGGAVG	ATANCACATT	120
TATACATGGC	ጥጥርልጥጥርልጥል	TTTTTTTTT	GIANACNEAL.	ATTGCCGANC	ATANCACATT	180
NATATATOTO	Y WOMING TOWN	111AGCACAG	CANAAACTGA.	GTGAGTTACC	AGAAANAAAT	240
CACCACACACACACACACACACACACACACACACACACAC	AATCNGATTT	AAGATACAAA	ACAGATCCTA	TGGTACATAN	CATCNTGTAG	300
GAGTTGTGGC	TTTATGTTTA	CTGAAAGTCA	ATGCAGTTCC	TGTACAAAGA	GATGGCCGTA	360
AGCATTCTAG	TACCTCTACT	CCATGGTTAA	GAATCGTACA	CTTATCTTATCA	CATATOTACA	420
GGGTAAGAAT	TGTGTTAAGT	NAANTTATGG	AGAGGTCCAN	CACAAAAATT	TO MICE	
				OUCHWANT I	IGAINCAA	478

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#### (2) INFORMATION FOR SEQ ID NO:199:

- and the second of the second o
  - (A) LENGTH: 482 base pairs of the last of grant whole a many
- (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear process of the control of t

#### e de la companya del companya del companya de la co (xi) SEQUENCE DESCRIPTION: SEQ ID:NO:1992 FOR TOWN A CONTROL

	=	- + - 2 ID . NO.		
		and the second second	গাই কৈছিল। জীনত ইন্তেম্ভ গ্রেছিল বি	: .
AGIGACITGE CCTCCAACAA	AACCCCTTGA	TCAAGTTTGT	CCCACTCACA ATCACACCORA	
TGCTAGTTCC TGTCATCTAT	TCGCTACTAA	ATGCAGACTC	GAGGGGACCA AAAAGGGGCA	
TCAACTCCAG CTGGATTATT	ሚሞርርልርርርጣር	Cyyymam	CCTACTTGTA CGGACTTTGA	
AGTGATTCAG TTTCCTCTAG	COMMONDO	CAAATCTATT	CCTACTTGTA CGGACTTTGA	180
TCAACCONIAC TCTCCTCTAC	GGATGAGAGA	CTGGCTÇAAG	AATATCCTCA TGCAGCTTTA	240
IGAAGCCNAC TCTGAACACG	CTGGTTATCT	NAGATGAGAA	NCACACAAAT AAACTOTACA	300
AAATTTACCT GGANGAAAAG	AGGCTTTNGG	CTGGGGACCA	TCCCATTCAA COTTCTCTCT	. 360
ANGGACTTTA AGAANAAACT	ACCACATGTN	TGTNGTATCC	TGGTGCCNGG CCGTTTANTG	
AACNINGACN NCACCCITTNIT	GGAATANANT	CTTCACA	TCCTGAACTT GCTCCTCTGC	420
GA	CONTINUANI	CITGACNGCN	TCCTGAACTT GCTCCTCTGC	480
<b></b>	_			482

(2) INFORMATION FOR SEQ ID NO:200:

	EQUENCE CHARACTERIS		• •	·	
	LENGTH: 270 base pa			· · · · · · · · · · · · · · · · · · ·	
	TYPE: nucleic acid	•	the state of the state of		
(C)	STRANDEDNESS: sing	le distribution		•	-
(D)	TOPOLOGY: linear		1 - 71		
(2)		1. i-			
	•		**		٠. ٠
()	SEQUENCE DESCRIPTION	N: SEO TO NO:	200:		. "
(XI)	SECORNCE DESCRIPTION				4 1 2 2
acadacan Na	TGCAACTCCA GCTGGGGC	CG TGCGGACGAA	GATTCTGCCA	GCAGTTGGTC	60
CGGCCGCAAG	GACGGCGCG GCGACAGT	CG CAGGTGCAGC	GCGGGCGCCT	GGGGTCTTGC	120
CGACTGCGAC	TGACGCCGCA GAGGTCGT	CT CACCTCCCAC	GACCTTGACG	CCGTCGGGGA	180
AAGGCTGAGC	agagcccgct gaangccgc	da cacoreceae	ACCCCCTCGG	GAAGGCGGC	240
CAGCCGGAAC	AGAGCCCGGT GAANGCGG	GA GGCCICGGGG	AGCCCCICGG	G.H.O.C.C.C.	270
	CGCAGGTGCA GGTGGCCG	CC			
					7 15
(2	)" INFORMATION FOR S	EQ ID NO:201:	8. 0.		
$A_{ij} = A_{ij} X^{ij}$	ing an independent of				
(i) S	EQUENCE CHARACTERIS	TICS:	المُعَدِّدِينَ اللهِ عِمرِينَ المالية		
🎍 🥖 (A)	LENGTH: 419 base p	airs			
(B)	TYPE: nucleic acid				
(C)	STRANDEDNESS: sing	le			,
(a)	TOPOLOGY: linear		•	*	
(-,		1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·严重数。1956年	4	
		*	<i>: :</i>	•	
(vi)	SEQUENCE DESCRIPTIO	N: SEO ID NO:	201:		·. ·
(XI)	SEQUENCE DESCRIPTION	7.13.00	Season for the	4.1	
	TTTTGGAATC TACTGCGA	CC ACACCACCÓ	AGCAACAAGT	TTATTTTGCA	60
TTTTTTTTT	TAACAGGGTA GGGCATGG	TT ACATGTTCIC	- GTCAACTTCC	TTTGTCGTGG	120
GCTAGCAAGG	TGTCTTTATG GGGGCGGG	OF CCCCTACCC	LYVANCGVACC	ANAANTAACA	180
TTGATTGGTT	GCACCCTCCC TGTAGAAC	CONTACTION	CCTTCCCCCCA	GTTCACCTGG	240
TGGAGTGGGT	GCACCCTCCC TGTAGAAC	TO THE THE CAR	T MCACCATATC	TTTTAGAGAG	300
TCTGTGACCG	TCATTTCTT GACATCAA	TG TTATTAGAAC	TCAGGATATC	ATCCACNTGA	360
TCCACTGTNT	CTGGAGGGAG ATTAGGGT	"I'T CTTGCCAAN	A TCCAANCAAA	ACCACIVIOA	419
AAAAGTTGGA	TGATNCANGT ACNGAATA	CC GANGGCATAL	TICTCATANI	CGGIGGCCA	
i's					
(:	) INFORMATION FOR S	SEQ ID NO:202		* * * * * * * * * * * * * * * * * * *	t + 4 t
				*	
(i)	EQUENCE CHARACTERIS	STICS:			
(A	LENGTH: 509 base p	oairs		101	5 45 2
(B	TYPE: nucleic acid	ì	r de la companya di santa di La companya di santa		
	STRANDEDNESS: sing				
(D	TOFOLOGY: linear				
* . * . <u>*</u>	医抗性 计算法 医乳腺性 医二氯				
				•	:
(vi)	SEQUENCE DESCRIPTION	ON: SEO ID NO	:202:		• •
(XI)	SPOOPHER PROCEETIES			·	•
THE PROPERTY OF THE PROPERTY O	TETTETTT TTTTTT	ահություն - Վորդերիակարար	T TTTTTTTTT	TTTTTTTTT	
TINITITI	TCCATTTTTA TTTCAAA	ለጥር ጥርሞልሮልልል፤	T TTNAATN('NC	CATTATACNG	120
TGGCACTTAA	TCCATTTTTA TTTCAAA	HIG ICINCHUMIN	A ANTOOPPAC	NCADATINAD	180
GTNATTTTNC	AAAATCTAAA NNTTATTO	CAA AINTNAGCC	W WWATCCITAC	Y Y Y dan'y Y Y Y Y Y	240
TACNCNCAAA	AATCAAAAAT ATACNTN	rcr treageaaa	C TINGTTACAT	MANAMI I MANA	300
AATATATACG	GCTGGTGTTT TCAAAGT	ACA ATTATCTTA	A CACTGCAAAC	AINTTINNAA	300
GGAACTAAAA	TAAAAAAAA CACTNCC	GCA AAGGTTAAA	G GGAACAACAA	ATTCNTTTTA	360
CAACANCNNC	NATTATAAAA ATCATAT	CTC AAATCTTAG	G GGAATATATA	CTTCACACNG	420
GG3 TGTT 3 G	CONTRACTOR CONTRACTOR	ለለፈ <sub>ተ</sub> ፈተፈተፈተው ተለጥ	A CCATTGTNTT	GGGCCCAACA	480

CAATGGNAAT NCCNCCNCNC TGGACTAGT

. . 40.00

#### (2) INFORMATION FOR SEQ ID NO:203:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 583 base pairs
  - (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:203:

	山龙 化氯化酚 数二十二二铂基甲基 化邻苯烷 经银行股份 人名马克	
TITITITITE TITITITE	A CCCCCCTCTT ATAAAAAACA AGTTACCATT TTATTTTACT	: 60
TACACATATT TATTTTATA	A TIGGTATTAG ATATTCAAAA GGQAGCTETT AAAATCAAAC	
TARATCCARA COCCOMORG	AAAATCAAAC	120
TAAATGGAAA CIGCCTIAGA	A TACATAATTC TTAGGAATTA GCTTAAAATC TGCCTAAAGT	180
GAAAATCTTC TCTAGCTCT	T TTGACTGTAA ATTTTTGACT CTTGTAAAAC ATCCAAATTC	240
אר א א מישירים יויים ביישירים אים אים אים אים אים אים אים אים אים א	P TATIONA AND THE CONTROL OF THE CHARACTER OF THE CHARACTER OF THE CONTROL OF THE CONTROL OF THE CHARACTER O	
	TATCTAATCT TTCCATTTTT TCCCTATTCC AAGTCAATTT	300
GCTTCTCTAG CCTCATTTC	C TAGCTCTTAT CTACTATTAG TAAGTGGCTT TTTTCCTAAA	360
AGGGAAAACA GGAAGAGANI	A ATGGCACACA AAACAAACAT TTTATATTCA TATTTCTACC	
Ma commanda a santo control de la control de	ATOUCACACA AAACAAACAT TITATATTCA TATTTCTACC	420
TACGITAATA AAATAGCATT	TTGTGAAGCC AGCTCAAAAG AAGGCTTAGA TCCTTTTATG	480
TCCATTTTAG TCACTAAACO	ATATCNAAAG TGCCAGAATG CAAAAGGTTT GTGAACATTT	
ATTO A A A CO MA A COMMANDA COM	CAAAAGGTTT GTGAACATTT	540
ALICAAAAGC TAATATAAGA	A TATTTCACAT ACTCATCTTT CTG	583

#### (2) INFORMATION FOR SEQ ID NO:204:

- (i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 589 base pairs

# (A) LENGTH: 589 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:204:

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		双双数数值 有分式	1 . 72	72 YE 3	1.75
TILLILLIANI ALLIA	TITT TITTINGTO	TTCTTTTTTT	TTGANAATGA	<b>ርርልጥ</b> ርርልርጥጥ	60
TTTCACTCTC TAGATA	GGGC ATGAAGAAAA	CTCATCTTTC	CAGCTTTAAA	ΑΤΑΔΟΑΔΤΟ	120
AATCTCTTAT GCTATA	TCAT ATTTTAAGTT	' АААСТААТСА	GTCACTCCCT	TATION AND COLOR	
TGAAGGAAAT CTGTTC	ATTC TTCTCAMOA	Mama come	Olcaclogci	IAICIICICC	180
TGAAGGAAAT CTGTTC	ATIC TICTCATTCA	TATAGTTATA	TCAAGTACTA	CCTTGCATAT	240
TGAGAGGTTT TTCTTC	ТСТА ТТТАСАСАТА	TATTTCCATG	TGAATTTGTA	TCAAACCTTT	300
ATTTTCATGC AAACTAG	GAAA ATAATGTNTT	CTTTTGCATA	AGAGAAGAGA	ΔΓΔΔΤΔΤΝΛΩ	360
CATTACAAAA CTGCTC	ልልልም ጥርምምምርም አል	Chimin maan	W3 W3 3 WW3 CW	TOTALINAG	
CM33M3C333	TELL TOTTIGITAN	GNITATCCAT	TATAATTAGT	TNGGCAGGAG	420
CTAATACAAA TCACAT	TTAC NGACNAGCAA	TAATAAAACT	GAAGTACCAG	TTAAATATCC	480
AAAATAATTA AAGGAAG	CATT TTTAGCCTGG	GTATAATTAG	רייוי א איזיירי א רייזי	TOTA CIA A CICA TI	540
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TTATTNAGAA TGAATTO	LACA IGITATIATI	CCNTAGCCCA	ACACAATGG		589

#### o kaliga yan sebagai kecama mengan berman kecama kecama kecama berman kecama kecama kecama kecama kecama kecam (2) INFORMATION FOR SEQ ID NO:205:

- (i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 545 base pairs
- (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:205:

TTTTTTTTT TTTTTCAGT AATAATCAGA ACAATATTA TTTTTATATT TAAAATTCAT	60
AGAAAGTGC CTTACATTTA ATAAAAGTTT GTTTCTCAAA GTGATCAGAG GAATTAGATA	120
TNGTCTTGAA CACCAATATT AATTTGAGGA AAATACACCA AAATACATTA AGTAAATTAT	180
TTAAGATCAT AGAGCTTGTA AGTGAAAAGA TAAAATTTGA CCTCAGAAAC TCTGAGCATT	240
AAAAATCCAC TATTAGCAAA TAAATTACTA TGGACTTCTT GCTTTAATTT TGTGATGAAT	300
ATGGGGTGTC ACTGGTAAAC CAACACATTC TGAAGGATAC ATTACTTAGT GATAGATTCT	360
TATGTACTTT GCTANATNAC GTGGATATGA GTTGACAAGT TTCTCTTTCT TCAATCTTTT	420
TATGTACTTT GCTANATNAC GIGGATATGA GITGACARGI TICTCTTTCT TCANTCTTTCATAGG  AAGGGGCNGA NGAAATGAGG AAGAAAAGAA AAGGATTACG CATACTGTTC TTTCTATNGG	480
AAGGATTAGA TATGTTTCCT TTGCCAATAT TAAAAAAATA ATAATGTTTA CTACTAGTGA	540
AAGGATTAGA TATGTTTCCT TTGCCAATAT TAAAAAAATA ATAATGTTIA CIACIAGIGA	
AACCC LANGE STANFORD OF THE STANFORD OF ST	
The state of the s	E
(2) INFORMATION-FOR SEQ ID NO: 205:	1
The first that I have been supported to the first terms of the first t	• .
(i) SECUENCE CHARACTERISTICS:	
(A) LENGTH: 487 base pairs	. 14
(B) TYPE: nucleic acid	. +:
(C) STRANDEDNESS: single	11.
(D) TOPOLOGY: linear way to the state of the	
(b) 1010101 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
(ii) MOLECULE TYPE: cDNA	
(II) MODECODE IIII. Comm.	
AND CHOURNOR DECORIDATION, SEC ID NO. 206.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 206:	
TTTTTTTTT TTTTTTAGTC AAGTTTCTNA TTTTTATTAT AATTAAAGTC TTGGTCATTT	60
THE THE TENTE THE TENTE AND A COMPANY AND A	120
CATTTATTAG CTCTGCAACT TACATATTTA AATTAAAGAA ACGTTNTTAG ACAACTGTNA	180
CAATTTATAA ATGTAAGGTG CCATTATTGA GTANATATAT TCCTCCAAGA GTGGATGTGT	240
CCCTTCTCCC ACCAACTAAT GAANCAGCAA CATTAGTTTA ATTTTATTAG TAGATNATAC	300
ACTGCTGCAA ACGCTAATTC TCTTCTCCAT CCCCATGTNG ATATTGTGTA TATGTGTGAG	
TTGGTNAGAA TGCATCANCA ATCTNACAAT CAACAGCAAG ATGAAGCTAG GCNTGGGCTT	360
TCGGTGAAAA TAGACTGTGT CTGTCTGAAT CAAATGATCT GACCTATCCT CGGTGGCAAG	420
AACTCTTCGA ACCGCTTCCT CAAAGGCNGC TGCCACATTT GTGGCNTCTN TTGCACTTGT	
TTCAAAA GEGERA OO DEED DE DE DE DE DE LEGA DE DAT DE DE DE LEGA DE LEG	487
- Participation of the Property of the Company of	15 Y.
(2) INFORMATION FOR SEQ ID NO: 207:	17
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 332 base pairs	.**
(B) TYPE: nucleic acid	1.
(C) STRANDEDNESS: single	:
(D) TOPOLOGY: linear	
(D) TOPOLOGI: IIHear	
(ii) MOLECULE TYPE: cDNA	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID/NO:207:	
TGAATTGGCT AAAAGACTGC ATTTTTANAA CTAGCAACTC TTATTTCTTT CCTTTAAAAA	60
TACATAGCAT TAAATCCCAA ATCCTATTTA AAGACCTGAC AGCTTGAGAA GGTCACTACT	120
GCATTTATAG GACCTTCTGG TGGTTCTGCT GTTACNTTTG AANTCTGACA ATCCTTGANA	180
ATCTTTGCAT GCAGAGGAGG TAAAAGGTAT TGGATTTTCA CAGAGGAANA ACACAGCGCA	240
GAAATGAAGG GGCCAGGCTT ACTGAGCTTG TCCACTGGAG GGCTCATGGG TGGGACATGC	300
AAAAGAAGGC AGCCTAGGCC CTGGGGAGCC CA	332
ANANGANGGO, NGCCINGGO CIGOGYMAGA MILLER CONTRACTOR CONT	

(2) INFORMATION FOR SEQ ID NO:208:

(i) SEQUENCE CHARACTERISTICS:

;	(A) LENGTH: 524 base pairs	
:	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single	
	(D) TOPOLOGY: linear Address (Control of the Control of the Contro	
4.	r na regional de la compación de la constanta de la compación	•
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66.	TOTAL ALEXANDER CONTROL OF THE STATE OF THE	
ت د قائم در		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO. 208: ETA BEST AND AND INC.	•
	AGGGCGTGGT GCGGAGGGCG TTACTGTTTT GTCTCAGTAA CAATAAATAC AAAAAGACTG	60
	GTTGTGTTCC GGCCCCATCC AACCACGAAG TTGATTTCTC TTGTGTGCAG AGTGACTGAT	120
	TTTAAAGGAC ATGGAGCTTG TCACAATGTC ACAATGTCAC AGTGTGAAGG GCACACTCAC	180
	TCCCGCGTGA TTCACATTTA GCAACCAACA ATAGCTCATG AGTCCATACT TGTAAATACT	240
4.	TTTGGCAGAA TACTTNTTGA AACTTGCAGA TGATAACTAA GATCCAAGAT ATTTCCCAAA	
•	GTAAATAGAA GTGGGTCATA ATATTAATTA CCTGTTCACA TCAGCTTCCA TTTACAAGTC	300
		360
• :	ATGAGCCCAG ACACTGACAT CAAACTAAGC CCACTTAGAC TCCTCACCAC CAGTCTGTCC	420
• •	TGTCATCAGA CAGGAGGCTG TCACCTTGAC CAAATTCTCA CCAGTCAATC ATCTATCCAA	480
	AAACCATTAC CTGATCCACT TCCGGTAATG CACCACCTTG GTGA	524
	(2) INFORMATION FOR SEQ ID NO:209:	
	(i) SEQUENCE CHARACTERÍSTICS:	
	(A) LENGTH: 159 base pairs	
15	The Cartery of the model of a cold to the second to the se	
ζ.	(C) STRANDEDNESS single to the first the state of the sta	
	(D) TOPOLOGY: linear Wash Company And Charles and Char	
·- : :	DESCRIPTION OF ANGLES OF STREET AND ASSESSED TO BE STREET, THE TREET AND	
7.	(ii) MOLECULE TYPE: CDNA 10000 FLORENCE OF LEGISLAND ACTION ACTIONS	
1,41	1 UNIT THE PARTY OF WARD COMMISSION FOR THE STATE OF THE	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 209:	٠,
- 2		
٠,		60
	TGGCCCTCTC CTACACTCTG GCCAGAGATA CCACAGTCAA ACCTGGAGCC AAAAAGGACA	120
	CAAAGGACTC TCGACCCAAA CTGCCCCAGA CCCTGTCCA	159
	·	
	(2) INFORMATION FOR SEQ ID NO:210:	•
*		
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 256 base pairs	
	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: cDNA	
٠ - ٠		
٠.	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:210:	
9-1	് നെ വരു വാരു വിവരു ക്രാവ് വരു വരു വരു വിവരു വരു വരു വരു വരു വരു വരു വരു വരു വരു	
	ACTCCCTGGC AGACAAAGGC AGAGGAGAGA GCTCTGTTAG TTCTGTGTTG TTGAACTGCC	60
	The state of the s	
	magaza astem i menerali della constitucione di constitucione di constitucione di constitucione di constitucione	120
		180
		240
	CCAGGATGCT AAATCA	256
	(2) INFORMATION FOR SEQ ID NO:211:	

(i) SEQUENCE CHARACTERISTIC		
(A) LENGTH: 264 base pair	r <b>s</b> in the second of the second	
(B) TYPE: nucleic acid		
(B) TYPE: nucleic acid (C) STRANDEDNESS: single	and the state of t	
(D) TOPOLOGY: linear	g(x,y) = g(x,y) (1)	•
(ii) MOLECULE TYPE: cDNA		
(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:211:: 1 % A LGC 24 4	•
·		*
ACATTGTTTT TTTGAGATAA: AGCATTGAGA:	GAGCTCTCCT TAACGTGACA CAATGGAAGG	60
ACTGGAACAC ATACCCACAT CTTTGTTCTG	AGGGATAATT TTCTGATAAA GTCTTGCTGT	120
ATATTCAAGC ACATATGTTA TATATTATTC	AGTTCCATGT TTATAGCCTA GTTAAGGAGA	180
GGGGAGATAC ATTCNGAAAG AGGACTGAAA	GAAATACTCA AGTNGGAAAA CAGAAAAAGA	240
AAAAAAGGAG CAAATGAGAA GCCT	nas akin of the output is so but	264
A SHOW THE PROPERTY OF SHIP BOTH	ight a wilder grant in Herbart in the efficiency	٠.
(2) INFORMATION FOR SEO	ID NO:212:	
(2)		
(i) SEQUENCE CHARACTERISTIC		
	rs i jaka ka katan ka ani	
(B) TYPE: nucleic acid		٠.
	ាល ស្រាស់ មានប្រាស្ថានស្រាស់ ស្រាស់ ស្រាស់	
(D) TOPOLOGY: linear		
(D) TOPOLOGI: Timear		
(ii) MOLECULE TYPE: cDNA		
(11) MOLECULE TIPE: CDNA		
(xi) SEQUENCE DESCRIPTION:		
(X1) SEQUENCE DESCRIPTION:	SEQ 1D NO:212:	
ACCOMMAND COMMOCOTOM ATATTTCCCOTT	ጥርአጥጥአጥጥርር ርአእየአጥጥርጥጥጥ ርአጥጥርጥርአልል	60
	TCATTATTCC CANATTCTTT GATTGTCAAA	
GGATTTAATG TTGTCTCAGC TTGGGCACTT	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG	120
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG	120 180
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA	120 180 240
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA	120 180 240 300
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA ID NO:213:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA ID NO:213:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213: CS:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA ID NO:213:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213: CS:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213: CS:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213: CS:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA ID NO:213: CS:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs  SEQ ID NO:213:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: ACTTATGAGC AGAGCGACAT ATCCNAGTGT	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs  SEQ ID NO:213:	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: ACTTATGAGC AGAGCGACAT ATCCNAGTGT TAAAGCATTG CTCACTGAAG GGATAGAAGT	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs  SEQ ID NO:213:  AGACTGAATA AAACTGAATT CTCTCCAGTT GACTGCCAGG AGGGAAAGTA AGCCAAGGCT	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (xi) SEQUENCE DESCRIPTION: ACTTATGAGC AGAGCGACAT ATCCNAGTGT TAAAGCATTG CTCACTGAAG GGATAGAAGT CATTATGCCA AAGGANATAT ACATTTCAAT	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs  AGACTGAATA AAACTGAATT CTCTCCAGTT GACTGCCAGG AGGGAAAGTA AGCCAAGGCT TCTCCAAACT TCTTCCTCAT TCCAAGAGTT	120 180 240 300 328
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  ACTTATGAGC AGAGCGACAT ATCCNAGTGT TAAAGCATTG CTCACTGAAG GGATAGAAGT CATTATGCCA AAGGANATAT ACATTTCAAT TTCAATATTT GCATGAACCT GCTGATAANC	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs  AGACTGAATA AAACTGAATT CTCTCCAGTT GACTGCCAGG AGGGAAAGTA AGCCAAGGCT TCTCCAAACT TCTTCCTCAT TCCAAGAGTT CATGTTAANA AACAAATATC TCTCTNACCT	120 180 240 300 328 60 120 180 240
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION:  ACTTATGAGC AGAGCGACAT ATCCNAGTGT TAAAGCATTG CTCACTGAAG GGATAGAAGT CATTATGCCA AAGGANATAT ACATTTCAAT TTCAATATTT GCATGAACCT GCTGATAANC	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs  AGACTGAATA AAACTGAATT CTCTCCAGTT GACTGCCAGG AGGGAAAGTA AGCCAAGGCT TCTCCAAACT TCTTCCTCAT TCCAAGAGTT CATGTTAANA AACAAATATC TCTCTNACCT	120 180 240 300 328 60 120 180 240 250
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: ACTTATGAGC AGAGCGACAT ATCCNAGTGT TAAAGCATTG CTCACTGAAG GGATAGAAGT CATTATGCCA AAGGANATAT ACATTTCAAT TTCAATATTT GCATGAACCT GCTGATAANC TCTCATCGGT	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: rs  AGACTGAATA AAACTGAATT CTCTCCAGTT GACTGCCAGG AGGGAAAGTA AGCCAAGGCT TCTCCAAACT TCTTCCTCAT TCCAAGAGTT CATGTTAANA AACAAATATC TCTCTNACCT	120 180 240 300 328 60 120 180 250
GGATTTAATG TTGTCTCAGC TTGGGCACTT GTTTATATAT GCAGCAACAA TATTCAAGCG TTNAATTTCA TTCCCATTGA CTTGGGATCC CCCCTACNAC TCTTTACTCT CTGGANAGGG TTTTTTTTTC CTTTATTCCT TTGTCAGA  (2) INFORMATION FOR SEQ  (i) SEQUENCE CHARACTERISTIC (A) LENGTH: 250 base pain (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: ACTTATGAGC AGAGCGACAT ATCCNAGTGT TAAAGCATTG CTCACTGAAG GGATAGAAGT CATTATGCCA AAGGANATAT ACATTTCAAT TTCAATATTT GCATGAACCT GCTGATAANC TCTCATCGGT	CAGTTAGGAC CTAAGGATGC CAGCCGGCAG CGACAACAGG TTATTGAACT TGCCCGCCAG TTATCATCAG CCAGAGAGAT TGAAAATTTA CCAGTGGTGG TAGCTATAAG CTTGGCCACA  ID NO:213:  CS: CS: CS: CS: CS: CS: CS: CS: CS: C	300 328 60 120 240 250

(I) SEQUENCE CHARACIERISTICS::	
(A) LENGTH: 444 base pairs	
(B) TVDE: nucleic acid	
(C) STRANDEDNESS: single	Control of Court of the Court of
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	State of the Responding
(2). Torozoot. Tindur	The Control of the Mark State of the Control of the
(ii) MOLECULE TYPE: cDNA	
(11) MODECULE TIPE: CDNA	相 / 19 1 90 1 10 10 10 10 10 10 10 10 10 10 10 10
(	
(xi) SEQUENCE DESCRIPTION: SEQ I	D NO:214:50 FOLK CER CONTROL
ACCCAGAATC CAATGCTGAA TATTTGGCTT CATTA	ITCCC: AGATTCTTTG: ATTGTCAAAG 60
GATTTAATGT: TGTCTCAGCT: TGGGCACTTC AGTTA	GGACC TAAGGATGCC AGCCGGCAGG 120
TTTATATATG CAGCAACAAT ATTCAAGCGC GACAAG	CAGGT TATTGAACTT: GCCCGCCAGT 11 180
TGAATTTCAT TCCCATTGAC TTGGGATCCT TATCAT	CAGC CANAGAGATT GAAAATTTAC 240
CCCTACGACT CTTTACTCTC TGGAGAGGGC CAGTG	2TCCT
TITITITCC TITATICCTI TGTCAGAGAT GCGAT	FCATC CATATICCTAN AND CONTROL
ACTCACTTTT ACAAAATTCCII IGICAGAGAI GCGAI	CATC CATATGCTAN AAACCAACAG 360
AGTGACTTTT ACAAAATTCC TATAGANATT GTGAAT	PAAAA CCTTACCTAT AGTTGCCATT 420
ACTITGCTCT CCCTAATATA CCTC	444
	THE PRODUCT OF THE STATE OF THE PARTY OF THE
(2) INFORMATION FOR SEQ ID-NO:	:215: (1) 10 10 10 10 10 10 10 10 10 10 10 10 10
· ·	Example Company of the second
(i) SEQUENCE CHARACTERISTICS:	and the state of t
(A) LENGTH: 366 base pairs	
(B) TYPE: nucleic acid	· · · · · · · · · · · · · · · · · · ·
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(II) MODECODE TIPE: CONA	
Principal Contraction of the Assessment	
(X1) SEQUENCE DESCRIPTION: SEQ ID	)_NO:215:
COLUMB TO THE MESTS BULLARISHED OF	to the state of th
ACTTATGAGC AGAGCGACAT ATCCAAGTGT ANACTG	AATA AAACTGAATT CTCTCCAGTT 60
TAAAGCATTG CTCACTGAAG GGATAGAAGT GACTGC	CAGG AGGGAAAGTA AGCCAAGGCT 120
CATTATGCCA AAGGANATAT ACATTTCAAT TCTCCA	AACT TCTTCCTCAT TCCAAGAGTT 180
TTCAATATTT GCATGAACCT GCTGATAAGC CATGTT	GAGA AACAAATATC TCTCTGACCT 240
TCTCATCGGT AAGCAGAGGC TGTAGGCAAC ATGGAC	CATA CCCAANAAA AACTTACTAA 200
TCCAAGCTGT TTTCTACACT GTAACCAGGT TTCCAA	CATA GCGAANAAA AACTTAGTAA 300
COMOGO	
	<b>366</b> (1864年 - 47 日刊200日 - 17)
(0)	र <sup>ात्</sup> राच्या के १साम्छ ८०१
(2) INFORMATION FOR SEQ ID NO:	<b>216:</b> 4.4 or Phys. 5
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; '	TO PERSONAL VICENCE CONTROL
(i) SEQUENCE CHARACTERISTICS:	n i Handares Lambres III. No fil Prio roden i II.
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 260 base pairs</li></ul>	TO PERSONAL ALBERT CONTROL OF THE STATE OF T
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 260 base pairs</li></ul>	safi eranaggerta
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 260 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	TO PER METAL ARBEIT  SOFT PROPERTY OF THE STATE OF THE ST
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 260 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li></ul>	চন্দ্র বিভাগ ক্রমক্রম্বর পর বিভাগ
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 260 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	চন্দ্র বিভাগ ক্রমক্রম্বর পর বিভাগ
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	is for a subject to the control of t
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	<ul> <li>Surf Programme 13</li> <li>Surp Server 1927, Alle 2018</li> <li>Mathematical Register 1256</li> <li>Surp Server 100, Alle 2018</li> <li>Surp Server 100</li> <li>S</li></ul>
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA	<ul> <li>Surfice of Bridge (1)</li> <li>Surfice of Surfice (1)</li> </ul>
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: SEQ ID	TENT STANDARD TENT TO THE TOTAL TO THE TOTAL TENT TO THE T
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: SEQ ID	Tale to the second of the seco
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: SEQ ID  CTGTATAAAC AGAACTCCAC TGCANGAGGG AGGGCCC	SGGC CAGGAGAATC TCCGCTTGTC 60
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: SEQ ID  CTGTATAAAC AGAACTCCAC TGCANGAGGG AGGGCCCCAAGACAGGG GCCTAAGGAG GGTCTCCACA CTGCTNE	NO:216:  GGGC CAGGAGAATC TCCGCTTGTC  NTAA GGGCTNTTNC ATTITTTAT  120
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 260 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (xi) SEQUENCE DESCRIPTION: SEQ ID  CTGTATAAAC AGAACTCCAC TGCANGAGGG AGGGCCC	NO:216:  GGC CAGGAGAATC TCCGCTTGTC  NTAA GGCTNTTNC ATTTTTTAT  120  FCCC TTNGGCTGGA AAATTTAAAA  180

AATTCTTCCT TCCCTCCTTT	260
(2) INFORMATION FOR SEQ ID NO:217:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 262 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
	· .
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:217:	•
ACCTACGTGG GTAAGTTTAN AAATGTTATA ATTTCAGGAA NAGGAACGCA TATAATTGT	A 60
TCTTGCCTAT AATTTTCTAT TTTAATAAGG AAATAGCAAA TTGGGGTGGG GGGAATGTA	3 120
GGCATTCTAC AGTTTGAGCA AAATGCAATT AAATGTGGAA GGACAGCACT GAAAAATTT	r 180
ATGAATAATC TGTATGATTA TATGTCTCTA GAGTAGATTT ATAATTAGCC ACTTACCCT	A 240
ATATCCTTCA TGCTTGTAAA GT	262
(2) INFORMATION FOR SEQ ID NO:218:	
(i) SEQUENCE CHARACTERISTICS:	
the company of the co	•
or the control of the	17/4 M
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	· · · · · · · · · · · · · · · · · · ·
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:218:	
ACCAAGGTGG TGCATTACCG GAANTGGATC AANGACACCA TCGTGGCCAA CCCCTGAGC CCCCTATCAA CTCCCTTTTG TAGTAAACTT GGAACCTTGG AAATGACCAG GCCAAGACT AGGCCTCCCC AGTTCTACTG ACCTTTGTCC TTANGTNTNA NGTCCAGGGT TGCTAGGAA ANAAATCAGC AGACACAGGT GTAAA	C 120
(2) INFORMATION FOR SEQ ID NO:219:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 114 base pairs	in the second
(1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 114 base pairs  (B) TYPE: nucleic acid	. 147
(ii) MOLECULE TYPE: CDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:219:	
TACTGTTTTG TCTCAGTAAC AATAAATACA AAAAGACTGG TTGTGTTCCG GCCCCATCCACCGAAGT TGATTTCTCT TGTGTGCAGA GTGACTGATT TTAAAGGACA TGGA	CA 60 114
(2) INFORMATION FOR SEC ID NO: 220:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 93 base pair	S
(B) TYPE: nucleic acid	•
(C) STRANDEDNESS: single	Control of the Contro
(D) TOPOLOGY: linear	
(44) MOT HOW II MUDIC CONT.	ે કે સાર્ગ જેવા કરાજું જેવા કર્
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:220:
ACTAGCCAGC ACAAAAGGCA GGGTAGCCTG	AATTGCTTTC TGCTCTTTAC ATTTCTTTTA 6
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MAIAMOCAT TIAGTOCTCA GICCCIACIG	AGT promote to graph participation (1)
(2)	
(2) INFORMATION FOR SEQ	ID, NO:221:// / ** ** ** *** *** ****
(i) SEQUENCE CHARACTERISTI	CS (1) A, 1919 OF A C SAPERSON DA LO COVATO A C
(A) LENGTH: 16? base pai	rs in the inventor of the straight in the contract of the cont
(B) TYPE: nucleic acid	
(C) CTDANDEDNESS of male	and a factor of the first self
(C) STRANDEDNESS: SINGLE	The second second constitution with the second second
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	t the second
(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:221:
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ACTANGTGCA GGTGCGCACA AATATTTCTC	GATATTCCCT TCATCTTGGA TTCCATGAGG 6
TOTTOTOCOO ACCOMONGO MONACIMANA	TAINTICCUI FUNITURE CONTROL OF CO
TOTTTIGECE AGCCTGTGGC TCTACTGTAG	TAAGTTTCTG CTGATGAGGA GCCAGNATGC 12
CCCCCACTAC CTTCCCTGAC GCTCCCCANA	AATCACCCAA CCTCTGT 16
(2) INFORMATION FOR SEQ	ID NO:222: 11 1/18 4/19 1. 11 4 42
(i) SEQUENCE CHARACTERISTIC	Start Anna Carlo Anna
(A) LENGTH: 351 base pair	rs
(B) TVDF: nucleic acid	•
(C) COMPANDIDATES	era i serepulcio pravento pie i e le colo
(C) STRANDEDNESS: Single.	THOSE OF EVENT OF COMPANY OF THE ARBUST
(D) TOPOLOGY: linear;	
· ·	Banking the sign of sign of graphing the sign
(ii) MOLECULE TYPE: cDNA	
	Company of the property of the company
(xi) SEQUENCE DESCRIPTION:	SEC ID NO.222.
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ACCCCTCCT CCCACCCCC CMAGMGACCC	CAMPAGE CONTRACT TO SERVICE A CONTRACT
AGGGCGTGGT GCGGAGGGCG GTACTGACCT	CATTAGTAGG AGGATGCATT CTGGCACCCC 60
GTTCTTCACC TGTCCCCCAA TCCTTAAAAG	GCCATACTGC ATAAAGTCAA CAACAGATAA 120
ATGTTTGCTG AATTAAAGGA TGGATGAAAA	AAATTAATAA TGAATTTTTG CATAATCCAA 180
TTTTCTCTTT TATATTTCTA GAAGAAGTTT	CTTTGAGCCT ATTAGATCCC GGGAATCTTT 240
TAGGTGAGCA TGATTAGAGA GCTTGTAGGT	TGCTTTTACA TATATCTGGC ATATTTGAGT 300
CTCCTATCAA AACAAMACAM MCCMAAACCM	
CTCGTATCAA AACAATAGAT TGGTAAAGGT	GGTATTATTG TATTGATAAG T, 351
(2) INFORMATION FOR SEQ ID NO:223	
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	ে ১৯ ব চল্ডেম্বছ সংগ্ৰহ সংগ্ৰহ
(2) INFORMATION FOR SEQ ID NO:223	THE METERS OF THE SECOND SECON
(2) INFORMATION FOR SEQ ID NO:223 (i) SEQUENCE CHARACTERISTICS:	

(D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:223:

AAAACAAACA	AACAAAAAA	ACAATTCTTC	ATTCAGAAAA	ATTATCTTAG	GGACTGATAT	60
TGGTAATTAT	GGTCAATTTA	ATWRTRTTKT	GGGGCATTTC	CTTACATTGT	CTTGACAAGA	120
TTAAAATGTC	TGTGCCAAAA	TTTTGTATTT	TATTTGGAGA	CTTCTTATCA	AAAGTAATGC	180
TGCCAAAGGA	AGTCTAAGGA	ATTAGTAGTG	TTCCCMTCAC	TTGTTTGGAG	TGTGCTATTC	240
TAAAAGATTT	TGATTTCCTG	GAATGACAAT	TATATTTTAA	CTTTGGTGGG	GGAAANAGTT	. 300
ATAGGACCAC	AGTCTTCACT	TCTGATACTT	GTAAATTAAT	CTTTTATTGC	ACTTGTTTTG	360
ACCATTAAGC	TATATGTTTA	AAA	1 t	i	4 3 4 5	383

# (2) INFORMATION FOR SEQ ID NO:224

# (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 320 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:224

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CCCCTGAAGG	CTTCTTGTTA	GAAAATAGTA	CAGTTACAAC	CAATAGGAAC	AACAAAAAGA	60
				CTCCCCATCA		120
				ATGTTCTAAA		180
GAGAAAATAC	TACTTTCTCR	AAATGGAAGC	CCTTAAAGGT	GCTTTGATAC	TGAAGGACAC	240
AAATGTGGCC	GTCCATCCTC	CTTTARAGTT	GCATGACTTG	GACACGGTAA	CTGTTGCAGT	300
TTTARACTCM	GCATTGTGAC					320

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#### **CLAIMS**

- 1. A method for detecting prostate cancer in a patient, comprising:
- (a) contacting a biological sample obtained from the patient with a binding agent which is capable of binding to a polypeptide, the polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, wherein said protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos; 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences; and
- (b) detecting in the sample a protein or polypeptide that binds to the binding agent, thereby detecting prostate cancer in the patient.
- antibody.
- 3. The method of claim 2 wherein the binding agent is a polyclonal antibody.
- 4. A method for monitoring the progression of prostate cancer in a patient, comprising:
- (a) contacting a biological sample obtained from the patient with a binding agent that is capable of binding to a polypeptide, said polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, wherein said protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences;
- (b) determining in the sample an amount of a protein or polypeptide that binds to the binding agent;
  - (c) repeating steps (a) and (b); and

comparing the amount of polypeptide detected in steps (b) and (c) to (d) monitor the progression of prostate cancer in the patient.

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- A monoclonal antibody that binds to a polypeptide comprising an 5. immunogenic portion of a prostate protein or a variant thereof, wherein said protein comprises an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 8-29, 41-45, 47-52, 54-65, 70, 73, 74, 79, 81, 87, 90, 92, 93, 97, 103, 104, 107, 109-111, 115-160, 171, 173-175, 177, 181, 188, 191, 193, 194, 198, 203, 204, 207, 209-211, 220, 222-224, the complements of said nucleotide sequences variants of said nucleotide sequences.
- through the could be detected the control of the term of the A method for inhibiting the development of prostate cancer in a patient, comprising administering to the patient a therapeutically effective amount of a monoclonal antibody according to claim 511 and 1944 and 1944 and 1944 and 1944 and 1944
  - group in the might be rate, among the construction of the construction of the construction of the construction of The method of claim 6 wherein the monoclonal antibody is conjugated to a therapeutic agent.
- the second of the second A method for detecting prostate cancer in a patient comprising: 8.
  - obtaining a biological sample from the patient; (a)

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- (b) contacting the sample with at least two oligonucleotide primers in a polymerase chain reaction, wherein at least one of the oligonucleotides is specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate protein or of a variant thereof, said protein comprising an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences variants of said nucleotide sequences; and
- (c) detecting in the sample a DNA sequence that amplifies in the presence of the oligonucleotide primers, thereby detecting prostate cancer.

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9. The method of claim 8, wherein at least one of the oligonucleotide primers comprises at least about 10 contiguous nucleotides of a DNA molecule having a sequence selected from SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224.

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- 10. A diagnostic kit comprising:
  - (a) one or more monoclonal antibodies of claim 5; and

- (b) a detection reagent:
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- (a) one or more monoclonal antibodies that bind to a polypeptide encoded by a DNA molecule having a nucleotide sequence selected from the group consisting of SEQ ID Nos: 5-7, 30-40, 46, 53, 66-69, 71, 72, 75-78, 80, 82-86, 88, 89, 91, 94-96, 98-102, 105, 106, 161-170, 179, 180, 182-187, 189, 190, 192, 195-197, 199-202, 205, 206, 208, 212-219, 221, the complements of said sequences and variants of said nucleotide sequences; and
- (b) a detection reagent.
  - 12. The kit of claims 10 or 11 wherein the monoclonal antibodies are immobilized on a solid support.

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- 13. The kit of claim 12 wherein the solid support comprises nitrocellulose, latex or a plastic material.
- 14. The kit of claims 10 or 11 wherein the detection reagent comprises a reporter group conjugated to a binding agent.

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- 15. The kit of claim 14 wherein the binding agent is selected from the group consisting of anti-immunoglobulins, Protein G, Protein A and lectins.
- 16. The kit of claim 14 wherein the reporter group is selected from the group consisting of radioisotopes, fluorescent groups, luminescent groups, enzymes, biotin and dye particles.

- least one of the oligonucleotide primers being specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, said protein comprising an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences.
- 18. A diagnostic kit of claim 17 wherein at least one of the oligonucleotide primers comprises at least about 10 contiguous nucleotides of a DNA molecule having a sequence selected from SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224.
  - 19. A method for detecting prostate cancer in a patient, comprising:
  - (a) obtaining a biological sample from the patient;

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- (b) contacting the biological sample with an oligonucleotide probe specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate protein or a variant thereof, said protein comprising an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences and variants of said nucleotide sequences; and
- (c) detecting in the sample a DNA sequence that hybridizes to the oligonucleotide probe, thereby detecting prostate cancer in the patient.
- 20. The method of claim 19 wherein the oligonucleotide probe comprises at least about 15 contiguous nucleotides of a DNA molecule having a sequence selected from the group consisting of SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224.
- 21. A diagnostic kit comprising an oligonucleotide probe specific for a DNA molecule encoding a polypeptide comprising an immunogenic portion of a prostate

protein or a variant thereof, said protein comprising an amino acid sequence encoded by a DNA molecule having a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID Nos: 2-3, 5-107, 109-111, 115-171, 173-175, 177 and 179-224, the complements of said nucleotide sequences variants of said nucleotide sequences.

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